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BOISE STATE UNIVERSITY
 SPRING 2003, VOL. XXVIII, NO. 2

FOCUS



6 BULLINGTON TRIBUTE

Former interim president Richard Bullington's friends and former colleagues gathered at a memorial service to celebrate his life.

ABOUT THIS ISSUE: Each day, undergraduate students at Boise State University head to campus laboratories, computer rooms or into the field to conduct cutting-edge research with professors in a wide range of subject areas. In the process, they're gaining invaluable experience and helping to reshape the university and its future. In this issue, we explore some of the reasons why undergraduate research is integral to the university and its mission, highlight a few of the many research collaborations, and feature an essay from a professor on what he gains from working with undergraduates. Cover by Bob McDiarmid.



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10 CAPITOL GAINS

Idaho's congressional delegation helps procure research money.

12 EXTRA! EXTRA!

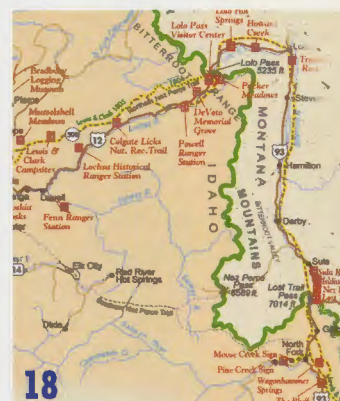
Boise State's student newspaper celebrates a birthday.

16 SEASON OF TRIUMPH

The pivotal moment for the 2002 Broncos came with their lone loss.

18 LEWIS & CLARK IN IDAHO

Idaho joins the rest of the nation in celebrating the journey of the Corps of Discovery.



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FOCUS

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Expanding to meet the need

By the time you read this, construction on two much-needed housing projects will have begun.

When these projects are completed during the summer of 2004, university housing will have grown from 1,175 spaces for students and their families to 1,920 spaces, a 63 percent increase. The combined projects will cost about \$29 million, with the bonds being retired through housing reserves. Now a few words about what makes these projects unique in the history of Boise State University and their potential impact on our future.

The dormitory project will include two new structures around Morrison and Driscoll halls, adjacent to Chaffee Hall and the Appleton Tennis Complex. The design will create a quadrangle space, while maximizing access to the river via pedestrian archways. The three-story high structure to the north will include 42 suites containing mostly four or eight beds each. (See Page 4.)

The structure to the south will be four stories tall, with 27 suites. Included are common spaces, community rooms, seminar and computer labs, and potential faculty space. Planned growth of the Honors College, housed in Morrison Hall, can also be accommodated in this plan. The outside facade will complement existing structures and will communicate a sense of a residential village.

The apartment complex project is being constructed on the site of the old University Courts apartments, which are being razed, along with some additional property on the west side of University Drive across from the parking structure. This complex will include 76 four-bedroom apartments designed for single students and 100 two-bedroom family units. Community center space, computer labs and play spaces for small children also will be included, again conveying a strong sense of village.

What makes these projects so important is their role in the overall development of the campus and their potential impact on the collegiate experience. Once "online" and joined with the new Student Recreation Center, the Appleton Tennis Complex, the expanded Child Care Center (currently under construction) and our Student Union, all the key infrastructure will be in place to support a much more significant residential campus population, a long-term goal of the university.

Additionally, each residential unit is part of a "planned community" permitting appropriate programming in support

of student issues. Overwhelming evidence suggests that such arrangements provide for a stronger collegiate experience by providing additional out-of-class opportunities to enrich in-class learning.

Our plan includes space for expanded living/learning units, moving aspects of the academic program and faculty into the residential community. The success of this design with our Honors College argues for additional opportunities for increased student-faculty interaction for all residential students.

While this infrastructure is designed to strengthen the undergraduate experiences for residential students, we have not moved away from our long-term commitment to commuter or part-time students. The second parking structure is currently under construction. A third parking structure is in the planning stage along with serious conversation with city and regional officials about our role in supporting mass transit options in the city and beyond.

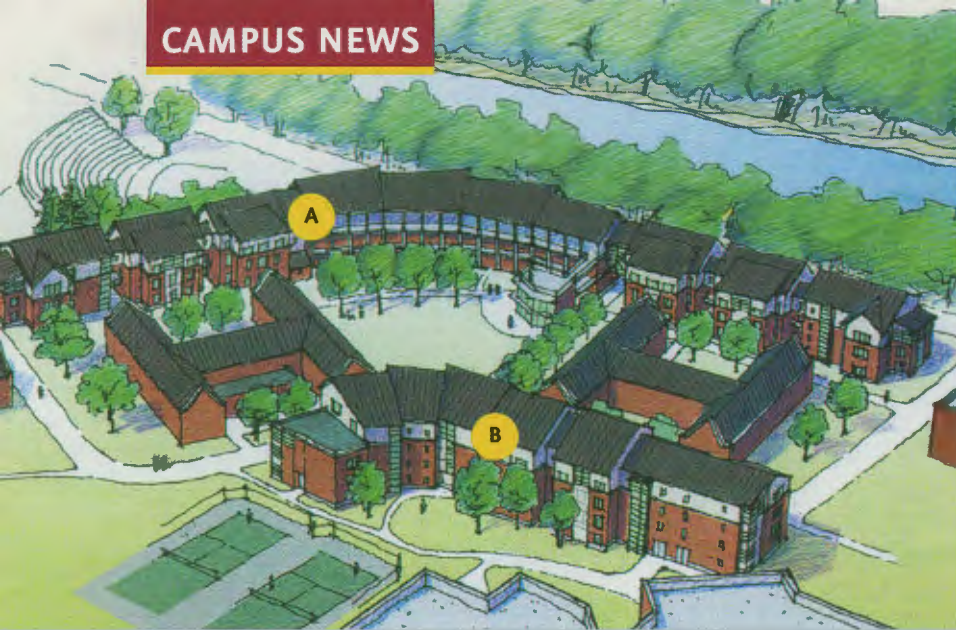
Our distributed campus offers additional sites for students to take classes at convenient times and places, while our electronic campus provides access to courses while at home or at work. Our Boise State-West campus in Canyon County has the entire infrastructure in place to allow for further construction, and the federally funded TECenter, a small business incubator, is currently under construction. The first campus classroom building is designed and only awaits funding from the state for construction to begin. A proposal to bond such construction is before the current session of the Idaho general assembly and is worthy of your support.

Hence, by fall 2004, students attending Boise State should experience a more powerful collegiate environment, one with ever-expanding sites for course offerings, living arrangements and a sense of community.

As always, I welcome your comments. I can be reached at (208) 426-1491 or cruch@boisestate.edu.



—Charles Ruch, President



Construction ahead

Construction will begin soon for two new housing projects on the Boise State campus. This artist's rendering, looking northwest from the roof of The Pavilion, shows how two new dormitories (A and B) will help form a quadrangle "village" for campus residents. A second project, an apartment building to be constructed on the site of the old University Courts Apartments, will include a community center space, computer labs and children's play areas. These projects will increase campus housing for students and their families by 63 percent. Both complexes are scheduled to open in July 2004. (For details, see "First Word," Page 3.)

Spring enrollment tops fall '02 numbers

It has happened only twice before in the last two-plus decades at Boise State. Now make it three.

Enrollment at most universities almost always drops from fall to the ensuing spring semester. But Boise State's spring 2003 enrollment surpassed the fall 2002 numbers.

The last two times the spring total exceeded the previous fall total were in 1999 and 1981.

Despite dealing with limited resources and fewer classes due to the state of Idaho's economic struggles, Boise State saw an all-time state record 17,745 students enrolled for spring classes, eclipsing the record number of 17,688 set in fall 2002. The spring enrollment was also an increase over last spring of more than 900, or 5.4 percent.

In the past two years Boise State has posted an average increase of 4.6 percent for its fall and spring semesters, more than double the 2 percent per year it typically plans for, notes Mark Wheeler, dean of Enrollment Services. This has resulted in the addition of 1,800 students, the vast majority of whom are full time, he adds.

In an effort to focus limited resources on those students most likely to benefit, Boise State is implementing higher admissions standards

starting with those applying for the fall '03 semester.

The new standards, Wheeler says, will make degree-seeking admission to Boise State's undergraduate programs the most competitive among Idaho's public universities ("More students + less funding =

tougher admissions standards," *FOCUS*, Fall 2002).

For just the third time since 1981, spring enrollment surpassed the total of the previous fall.

Year	Fall	Spring	Difference
1997-98	15,422	15,384	Minus 38
1998-99	15,702	15,832	Plus 130
1999-00	16,216	15,987	Minus 229
2000-01	16,459	15,853	Minus 606
2001-02	17,161	16,847	Minus 314
2002-03	17,688	17,745	Plus 57

Wheeler says students who do not meet the standards will be steered toward other options, including participating in a new summer bridge program, exploring programs in applied technol-

ogy areas, or attending as part-time, nondegree-seeking students.

State's budgetary woes continue

Boise State dodged the proverbial bullet, at least temporarily, in late February when the state Senate rejected a plan that would have cut nearly \$40 million from state agencies, including higher education, for fiscal year 2003.

But as *FOCUS* went to press in early March, it became painfully clear that Idaho's Legislature will face many difficult budgetary decisions before the 2003 session ends.

Many lawmakers still consider extensive budget cuts the appropriate route to address the state's \$7 million shortfall in the current budget year. Moreover, plans for FY '04 were unclear at press time.

"Needless to say, additional cuts would mean a further reduction of services to our students," says President Charles Ruch. "Given the complexity of the issue, it is my belief that our lawmakers will need time to get a clear picture of the state's financial health before they make these critical decisions; therefore it is likely that we won't know exactly where we stand until late in the legislative session."

From Boise State's perspective, Gov. Dirk Kempthorne's proposal, which involves cuts made last year and increased revenues, is the wisest option for what is clearly a difficult situation, says Ruch.

"It is evident, however, that unless the Legislature raises taxes or cuts deeper, the state government will still face a budget deficit in the coming fiscal year," he adds.

WAC unites for academics

Boise State's 20-month membership in the Western Athletic Conference is reaping more benefits than just the attention that comes with a nationally ranked football team. While the Bronco athletic teams do battle with their WAC opponents, a new academic partnership among the league's universities will allow Boise State to cooperate in many ways off the field.

Begun at the outset of the current academic year and governed by the WAC's provosts, the alliance will allow Boise State to share resources and facilities and exchange information with its fellow universities.

Specifically, the agreement is designed to:

- Enhance learning and research opportunities for students.
- Diversify the member institutions' student, faculty and staff populations.
- Establish joint research projects.
- Provide significant professional development for faculty leaders and administrators.
- Maximize the benefits of existing infrastructure, such as information technologies and libraries.
- Leverage investments and realize cost savings through joint purchasing and licensing.

"This alliance demonstrates ways in which an athletic affiliation can benefit institutions academically, how they can contribute to conference stability and establish ties that run deeper than just athletic competition," says Daryl Jones, Boise State's provost and vice president for academic affairs.

Modeled after the Big Ten's 44-year-old Committee on Institutional Cooperation (CIC), the WAC partnership will "provide leadership and direction, identify new initiatives, establish policies and priorities, discuss proposed activities, evaluate existing programs and address collective concerns."

The members' goals range from the online sharing of courses, to an alliance for expanded study in overseas programs, to the enhancement of curricula and exchange of students in foreign language programs.

Among the alliance's numerous advantages is the potential for additional federal funding for research. The partnership, notes Jones, provides fertile ground for joint research projects among the member institutions, "and with additional avenues to more congressional delegates, the opportunity to secure major federal funding is enhanced," he says.

Gene Harris Jazz Festival set for April 3-5

Ray Charles calls her simply "wonderful." Barbara Morrison, an acclaimed jazz/blues vocalist, performing with the Jeff Hamilton Trio, and the Dirty Dozen Brass Band are among more than 60 artists in the lineup for the sixth annual Gene Harris Jazz Festival, April 3-5.

Tickets for Club Night on April 3 and concerts at The Pavilion April 4-5 are on sale at Select-a-Seat. The festival, named for legendary jazz pianist Gene Harris, whose dream was to share the gift of jazz with young people and his community, also includes educational programs for more than 1,200 high school through college-age students.

Harris, who died in 2000, lived in Boise the last 22 years of his life.



Hewlett grant awarded

Boise State was one of nine public colleges and universities in nine western states to receive a grant through the William and Flora Hewlett Foundation's "Engineering Schools of the West Initiative." The grants are designed to provide funding for programs that seek to improve the quality of undergraduate education in engineering and increase the number of engineering graduates.

Boise State was awarded \$1,050,000 over four years for a project titled "Overcoming Roadblocks to Introductory Engineering Courses." The nine grants, ranging from \$750,000 to \$1.1 million, will support programs to increase retention and recruitment efforts and improve student learning through better undergraduate teaching.

The Boise State grant will help fund a new integrated engineering curriculum that provides a network of student support based on supplemental instruction, hands-on activities and projects, an early focus on the development of professional engineering and communication skills. The program also includes an enhanced set of student and faculty exchanges with Monterrey Tech in Guadalajara, Mexico, and a substantial effort in placing students into research laboratories or engineering internships very early in their educational careers.

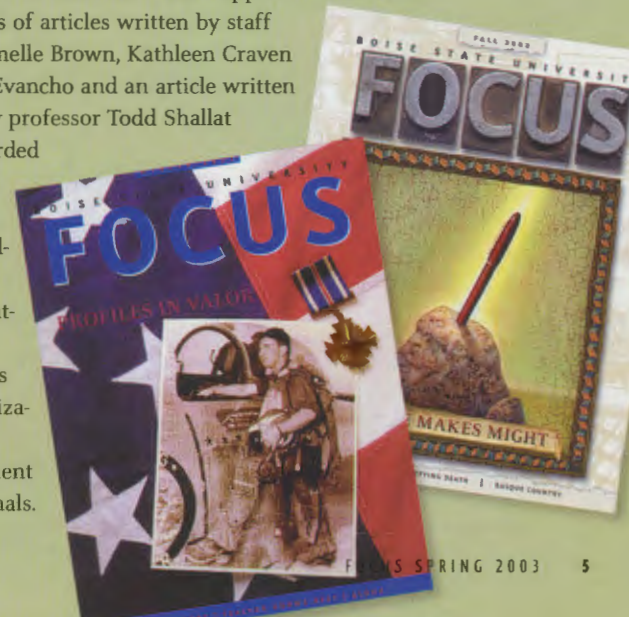
'FOCUS' writers earn Gold Medal

FOCUS magazine was recently recognized for writing excellence in a competition sponsored by the Northwest district of the Council for Advancement and Support of Education.

A series of articles written by staff writers Janelle Brown, Kathleen Craven and Bob Evancho and an article written by history professor Todd Shallat were awarded

the Gold Medal in the periodical team writing category.

CASE is the organization for advancement professionals.



A solid-gold man

Bullington with President Ruch at the November ceremony in his honor.

Richard Bullington

- Born March 12, 1920, in Philadelphia
- Served as Navy fighter pilot aboard aircraft carrier USS Lexington during World War II
- Earned Ed.D. from University of Alabama in 1953
- Worked as high school teacher and elementary school administrator in Alabama from 1945-53
- Served in Air Force as jet fighter and combat crew training director at Williams AFB, Chandler, Ariz., 1953-57
- Worked as elementary and high school principal in Arizona from 1957-61
- Taught at Arizona State as education professor and was promoted to department chair from 1961-68
- Served as Boise State executive vice president, 1968-77; '78-87
- Served as Boise State acting president 1977-78
- Served as vice president for information technology and extension from 1987-89. Retired from Boise State, 1989.
- Died Dec. 21, 2002, in Boise

Last November Boise State's division of Academic Technologies honored Dr. Richard Bullington, the university's former executive vice president and interim president, by naming the Bullington Digital Classroom in his honor. The dedication ceremony recognized Bullington's 21 years with Boise State, and in particular his leadership role in supporting and encouraging the use of technology in education.

University officials and friends gathered in the Simplot/Micron Building for the ceremony to pay their tributes to the frail and elderly Bullington and his wife, Pat. After a few remarks by friends and ex-colleagues, including former Boise State President John Barnes, Bullington spoke briefly, thanking the university for the honor. The timing was fortuitous. Although Bullington was not in the best of health, nobody knew his sojourn on earth was nearly over. Bullington passed away four weeks later at the age of 82.

Bullington's friends and former colleagues gathered once again two days after Christmas at a memorial service to celebrate his life. Once again, Barnes was called upon to pay tribute to his old friend. His eulogy is excerpted here:

We gather to celebrate the life and to remember the contributions of Dr. Richard Bullington. [Just a few] weeks ago [my wife] Shirley and I joined a group of Dick's friends and admirers to dedicate the Richard Bullington Room at Boise State University. Dick was the pioneer of this building whose dreams came true when this modern center became a reality.

No one knows when his term on this celestial ball is to be over. We must be as prepared as was Dr. Bullington to meet our maker, to close the book of life with no regrets and with humble confidence that we have contributed widely to this troubled world while briefly sharing its space. Dick certainly was.

In my first year at Boise State in 1967, we conducted a wide search for a new position called executive vice president. A committee of deans and faculty narrowed the applicants to three and interviewed each person. Finally, Dean [Joseph] Spulnik, the chair of the committee, [said the group unanimously] recommended Richard Bullington. [Spulnik's] only comment was that Dick was at Arizona State, where I had previously been a professor.

A year or two after Dick arrived at Boise State, Spulnik walked into my office and said, "That Bullington is a great vice president. At least we got one good man out of ASU." I agree that we did. His view was amplified by our faculty and other administrators.

Bullington and I worked closely for nine years to help create what is now Idaho's largest and finest university. Only occasionally did I and Little Richard, as I called him — this big, solid-gold man — have time to recreate, just with each other, alone on Idaho's rivers and small streams. On one occasion, we caught no fish. It didn't matter to us. We enjoyed being together in the solitude of a remote stream. As we returned to his car and put our empty creels in the trunk, Dick said, "John, failure is not a passing grade." I later learned that this was just one of many life capsule views that he shared with multitudes of people — students, faculty and friends.

I have been fortunate to work with many excellent people, but I have never met, much less worked closely with, a solid-gold man like Dick. When the State Board of Education wanted to run me out of this state, they loved Dick Bullington. When

I needed to get State Board approval for a major project at our university, I asked Dick to visit with the board members at home or their place of work. They always welcomed him.

His integrity, warmth and skills contributed to numerous goals. He achieved for BSU through these personal interactions more than time permits me to recite. For instance, some members of the State Board wanted us to build a minidome for sports like Idaho State had. We had plans for a double-deck stadium that was expandable for a growing university. Even the unwilling were converted by this solid-gold man. When I thought it necessary to bite someone on the leg just to focus his attention on BSU, Dick was by my side with first-aid cream and bandages.

Finally, he became a friend, like a father, to dozens of young athletes. Years after their graduation, many returned to thank him for his friendship and help. Some brought their wives and children to meet him. They honored him with their presence. He taught them so much about how to live a golden life.

Well done, our true and faithful friend. May we who linger behind do as well in our own lives.



ASBSU president leads by example

From the rubble of a Middle East refugee camp to the halls of the Idaho Capitol, Associated Students of Boise State University president Chris Mathias (above) has gone places geographically and politically that no ASBSU president has gone before.

A Vermont native and Coast Guard veteran, Mathias, 24, was elected last April with Ken Bell as vice president. A few months into his term last summer, he traveled to Israel to learn about the Middle East conflict firsthand.

In January he gave the keynote speech at the Capitol for the Martin Luther King Jr. Idaho Human Rights Celebration, the first ASBSU president ever invited to do so. Four days later he unveiled ASBSU's provocative billboard campaign to educate the public and legislators on funding inequity among Idaho's higher education institutions.

"As the state continues to underfund us grossly, students are being asked to carry the load," says Mathias. "Student government can no longer be the parking police and the rally planning committee. Parking is very important, but I would argue that it is as important as students who have to waive their health care to pay for books."

Even as he pressed hot-button issues, Mathias' professional approach and congenial demeanor enabled him to forge relationships and earn respect not

only among students but also legislators and administrators.

"Chris and his staff are highly effective in the political arena," says Peg Blake, Boise State's vice president for student affairs. "After his election as student body president, Chris quickly determined what the priorities of his administration would be, and he has been remarkably effective as a result of that focus."

To address concerns about parking, class

availability, recycling and other campus issues, Mathias and Bell encouraged students to attend university policy meetings and give the administration input about their campus.

After spending about 35 hours every week on ASBSU efforts, Mathias has decided to focus next year on personal academic pursuits and pass the ASBSU helm to a successor. After graduation next year, Mathias wants to pursue a degree in public interest law and/or a Ph.D. in government and public policy at Georgetown University.

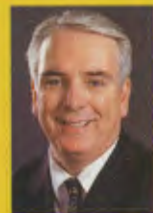
He hopes the next ASBSU president will continue fostering civic culture on campus.

"I think the foundation that has been laid is that ASBSU can do something relevant and significant," he says. "It took us two weeks to do the billboard campaign and now everyone is talking about it. That's what student government can do — be creative and productive."

—Pat Pyke

FOSTER WINS NATIONAL AWARD

Business professor Thomas Foster was awarded the 2002 Decision Sciences Institute Instructional Innovation Award. Foster received the prestigious national award for leading his students in the development of www.freequality.org, a resource for quality management professionals. Boise State professors Robert Minch and Sharon Tabor won in 2000, making Boise State the only university where faculty have won in two different years.



ACLU HONORS VIRTÁ, SHULER

Human rights activist Alan Virtá, head of special collections at Boise State's Albertsons Library, and Marilyn Shuler, (MPA, '77) were awarded 2002 ACLU Equal Justice Awards by the Idaho Chapter of the American Civil Liberties Union. They were among six people recognized for their contributions to the civil rights of Idahoans.



Virtá was recognized for his slide show and talk about the history of gays, lesbians, and transgender persons in Idaho from the 1890s to today.

Shuler, former director of the Idaho Human Rights Commission, was honored for her decades of leadership in the struggle for human rights. She is now president of the Idaho Human Rights Education Center.

PROF HEADS SPORT ORGANIZATION

Kinesiology professor Linda Petlichkoff is the new president of the international Association for the Advancement of Applied Sport Psychology. As president of the 1,200-member organization, Petlichkoff will oversee AAASP activities, including its annual conference.



WYERS WINS MUSIC AWARD

Giselle Wyers, director of choral activities at Boise State, won the Cambridge Madrigal Singers sixth annual composition competition. Her composition "Ave Maria," selected from 70 applicants from 10 countries, premiered at the Idaho American Choral Directors Association gathering in 2002. Her work will be performed by the Cambridge Madrigal Singers in the Boston area.

CHOIR WINS AWARD

The Boise State Trombone Choir performed at the National Association for Music Educators All-Northwest conference in Portland, Ore. The choir, directed by professor David Mathie, was the only ensemble chosen from an Idaho university or college and is one of only three groups from Idaho selected.

On campus ...

Danny Glover Actor and civil rights activist

Martin Luther King Jr. Human Rights Celebration • Jan. 22, 2003

"A nation that continues, year after year, to spend more money on defense than social programs is nearing spiritual death."



Dykman honored at Commencement

Boise State's second winter Commencement was also its 70th overall, with approximately 500 mid-year graduates participating in the Dec. 20 ceremony in The Pavilion. In all, 1,086 students qualified for graduation since the May Commencement, earning a total of 1,132 degrees or certificates.

Five students received their doctoral degrees. The student speaker was Kimberly Woods, who received her bachelor's degree in English education.



Boise businessman Allen Dykman (left, with Provost Daryl Jones), a 1974 Boise State business economics graduate, received the Silver

Medallion, the

university's highest award for service or achievement.

Dykman is the only person to have served as president of all three of Boise State's major affiliated support organizations. He served as president of the Alumni Association in 1984-85 and the Bronco Athletic Association in 1997-98. He currently is president of the BSU Foundation.

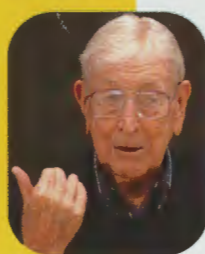
On campus ...

John Wooden

UCLA basketball coaching legend

Receiving the Nell and John Wooden Humanitarian Award for Lifetime Coaching Achievement • Nov. 6, 2002

"Faith, family and friendship — the three 'F's' are very important in the proper order. If you have those, what else do you need?"



SAVING OUR STUDENTS, SAVING OUR SCHOOLS

By Robert Barr and William Parrett

Education professors Barr and Parrett provide educators, policy makers and parents with a wealth of information and 50 hands-on strategies for revitalizing at-risk students and low-performing schools. Published by Pearson SkyLight, the book is backed by the latest research findings and filled with the voices of students, teachers and administrators. Barr and Parrett have each published numerous books and articles and are co-authors of *Hope Fulfilled for At-Risk and Violent Youth*.

FORT UNION AND THE UPPER MISSOURI FUR TRADE

By Barton Barbour

History professor Barbour's book was a finalist for and has received an "honor award" from the 2003 Caroline Bancroft Trust Award for Western History books. Published by the University of Oklahoma Press, *Fort Union* looks at the culture, politics and economics of historic Fort Union, located on the upper Missouri River on the pres-

ent-day border of Montana and North Dakota.

LANDSCAPES OF EPIPHANY

By Jamie Armstrong

Nature's roots in the imagination, milestones along the cultural highway and childhood memories are explored in a new poetry book by education professor Armstrong. The book is published by Wolf Peach Press. Armstrong is also the author of a first book of poems, *Moon Haiku*, and a textbook, *Reading Tools for College Study*. His poetry has appeared in a number of magazines, journals and anthologies.

QUALITY FINANCIAL REPORTING

By Paul Bahnson

Accounting professor Bahnson, with Paul B. Miller, clears up the confusion of creating corporate financial reports. Published by McGraw-Hill, the book outlines the goals and methods of quality financial reporting, which replaces old attitudes with open and truthful communication as a means of increasing investors' confidence. The book includes an additional chapter on the Enron scandal and current efforts to reform financial reporting.



ENTREPRENEURSHIP: CRITICAL PERSPECTIVES ON BUSINESS AND MANAGEMENT

Compiled by Norris Krueger

Krueger, a professor of entrepreneurship, recently published this anthology based on feedback from more than 1,000 colleagues in the field.

Entrepreneurship, a four-volume set published by Routledge, offers critical perspectives on business and management as it relates to entrepreneurship. Papers highlight the importance of studying entrepreneurship from a wide range of perspectives, including research derived from economics, history, sociology and psychology as well as marketing, finance and strategy.

INSPIRATION FOR LGBT STUDENTS AND THEIR ALLIES

Co-authored by Mike Esposito

Student organization program coordinator Esposito wrote the book with six co-authors. *Inspiration* offers a collection of inspiring and thoughtful stories, essays, poems and photographs targeted at lesbian, gay, bisexual and transgender students and their allies. Published through Collegiate EmPowerment Co., the book takes the reader on a journey of encouragement, humor and motivation.

WHAT COUNTS

By Chuck Guilford

English professor Guilford's new book

writers pen diverse fare for readers

of poetry, published by Limberlost Press, weaves through back roads and rivers and the poet's own reflections on mortality, family and memory. Guilford has taught literature and creative writing at Boise State for more than two decades. His poems, short stories and essays have appeared in magazines and journals throughout the country.

VIETNAM: A GLOBAL STUDIES HANDBOOK

By Shelton Woods

History professor Woods looks beyond the rice paddies and war stories of Vietnam to its heart and soul.

Published by ABC-CLIO,

the book focuses on the nation's history, society, culture and religion. Intended for general readers rather than scholars, Woods' book looks at the forces that shaped Vietnam's present-day society.



WEAVING FIRE FROM WATER

By Norman Weinstein

A new collection of poetry by adjunct English professor Weinstein showcases a period of transition in the writer's life marked by a divorce, a new marriage, a deepening involvement with Afro-Caribbean and Judaic spirituality, and an ongoing involvement with visionary art of the Americas. His book is published by Wolf Peach Press.

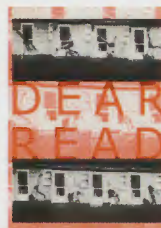
FROM AHSAPTA PRESS

Boise State's Ahsapta Press recently released three new books of poetry:

Welkin, a first book by Aaron McCollough of Ann Arbor, Mich., was named winner of Ahsapta Press' first Sawtooth Poetry Prize. Prize-winning poet Brenda Hillman selected the manuscript from about 600 entries for the \$1,500 award, which also includes publication.

Identity and communication between two or more

people are at the center of *Dear, Read* by Lisa Fishman, who teaches at Beloit College in Wisconsin. She writes intimate and deeply perceived poetry with influences ranging from the British Romantics through recent U.S. women poets.



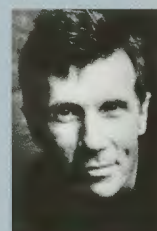
A lush and oppressive Florida is the setting for *Drinking Girls and Their Dresses*, a first book of poetry by Heather Sellers. The book's poems tell a coming-of-age story where similar paradoxes confront the child who would be both open to everything and permanently safe.

Sellers, of Holland, Mich., is the recipient of a National Endowment for the Arts grant for fiction writing in 2001 and is also the author of *Georgia Underwater*, a collection of short stories, which won a Barnes and Noble Discover Award.

Lecture series to feature two Pulitzer winners

An award-winning journalist who is one of America's premier experts on global health care and emerging diseases, and the author of a Pulitzer-prize winning novel that is now a major motion picture, will speak during the coming year at Boise State as part of the university's Distinguished Lecture Series.

Laurie Garrett, the only writer to have won all three of her industry's top awards — the Peabody, the Polk (twice) and the Pulitzer, will speak on "Betrayal of Trust" at 7 p.m. April 17 in the Student Union Jordan Ballroom ("Prize-winning science journalist speaks," FOCUS, Fall 2002). The lecture is free and the public is invited.



On Oct. 9, the lecture series will host Michael Cunningham (above), author of *The Hours*, winner of the 1999 Pulitzer prize and the PEN/Faulkner award. *The Hours*, a homage to Virginia Woolf's groundbreaking *Mrs. Dalloway*, tells the intertwining stories of three women in separate time periods in a single day. *The Hours* is now a major motion picture starring Meryl Streep, Nicole Kidman and Julianne Moore.

Cunningham's lecture also begins at 7 p.m. in the Student Union Jordan Ballroom and is free to the public. His other novels include *A Home at the End of the World* and *Flesh and Blood*. He was the recipient of a Guggenheim Fellowship in 1993, a National Endowment for the Arts Fellowship in 1988 and a Michener Fellowship from the University of Iowa in 1982.

WHO 'NOSE' WHAT WE REALLY MEANT TO SAY...

One of the challenges of writing or translating a novel that is filled with double entendres and puns is ensuring that creative phrases aren't "incorrected" during the editing process because, on the surface, they appear to be typographical errors.

Will Browning, a Boise State French professor who is translating *Va savoir*, (*Go Figure*) by Quebec author Réjean Ducharme, found himself in that situation when a key phrase was inadvertently changed in an article about his work that appeared in the fall 2002 edition of FOCUS.

The phrase, "fixher-upper," was coined by Browning to refer to the house a character in *Figure* wants to remodel for his wife, who is trav-

eling through Europe to heal from the miscarriage of twins. The phrase was changed to "fixer-upper."

Such "mis-citations" are easy to make, Browning says, noting that Ducharme himself has had his carefully constructed witticisms disappear under the misguided hand of a grammatically correct editor.

Browning is finishing his translation of *Go Figure* for a September publication by Talon Books.

"There is great pressure on language to conform, to be 'correct,' and it is precisely that pressure that Ducharme's texts counter with their iconoclastic creativity," he says.

UNIVERSITY RECEIVES KAUFFMAN GRANT

Boise State recently received a \$45,000 grant from the Kauffman Foundation aimed at enhancing entrepreneurship education on campus. More than 300 colleges applied for the grants, which ranged from \$12,000 to \$50,000; 52 were awarded.

The Foundation's goal is to increase and strengthen entrepreneurship in America. Boise State will use the grant money to develop courses in conjunction with its virtual business incubator.

DEBATERS WIN LEAGUE TITLE

The Boise State debate and speech team recently won its first-ever Northwest Forensic Conference Division I championship. This is the first conference championship for Boise State since the team began competing at the Division I level three years ago. Prior to that, Boise State won 10 NFC Division II titles between 1988 and 2000.

The debaters finished second in the field of 31 colleges and universities from seven states competing at the tournament, but that was enough to easily clinch first place in the season-long Northwest conference standings.

BOOKSTORE REMODEL NOW UNDER WAY

The Boise State Bookstore is being remodeled to better serve a student body that has grown dramatically in recent years.

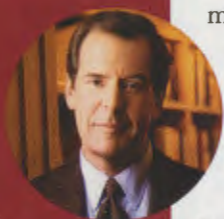
The renovation, which is expected to last through mid-April, is the first since the 1980s and is self-funded through money set aside over the years for a storewide renovation.

On campus ...

Peter Jennings ABC News anchor

Dateline: The West Conference • Dec. 2, 2002

"You should know that Americans in other parts of the country take very seriously the notion that this land is their land, too."



D.C. clout brings research funds

Huddled in their lab on the east end of campus, an engineering professor and a cadre of graduate students work toward a breakthrough in computer chip technology.

Elsewhere on campus business professors develop new trade opportunities with Vietnam and a biologist tries to unravel the mysteries of Alzheimer's disease.

These and many other projects at Boise State share one thing in common: federal dollars make them possible.

Boise State has always received a small sliver of the federal pie, but the slice has grown in recent years as the university has begun to attract the attention of federal granting agencies.

Last year, for example, Boise State received \$14.3 million in federal funds, up 131 percent from the \$6.2 million the school received just five years ago.

"Our faculty has become very effective in competing for national research dollars," says Provost Daryl Jones. "This is an indication that Boise State is developing maturity in its research programs."

But even the best proposals often need a friendly boost before the federal funds start flowing. That's where Idaho's congressional delegation enters the picture.

"Our senators and representatives are the spokesmen for the quality of research that is taking place in Idaho universities," says Jones. "Through their voices we receive funding that wouldn't otherwise come to Idaho."

While federal involvement in Idaho is usually as popular as a wolf pack in a cattle herd, federal benefi-

cence directed at higher education is welcomed because it allows universities to conduct research, purchase equipment, hire students and build infrastructure, all of which wouldn't be possible without Uncle Sam's assistance. In many cases, federal funds result in economic development that benefits the region.

"Federal support is critical for advancing research at Idaho universities," says U.S. Rep. Butch Otter. "Although budgets are tight and resources scarce, we'd be hard-pressed to find more cost-effective or beneficial ways than research to invest our tax dollars over the long haul."

U.S. Sen. Mike Crapo says he and the rest of the delegation constantly seek new funds for various projects at Idaho universities.

"It goes without saying that federal dollars for research and other programs, plus the



With the assistance of Idaho's congressional offices, Boise State has recently received federal funding for research and program development in the following areas:

\$4 million for three-dimensional microstructures in electrical engineering

\$2 million for business education in Vietnam

\$1.9 million for TechCenter construction on Boise State-West campus

\$1 million for time lapse imaging in geophysics

\$1 million for time lapse tomography in engineering

\$500,000 for Environmental Science and Public Policy Research Institute in public policy/geophysics

\$250,000 for bus shelters and turnout lanes

\$150,000 for Environmental Finance Center

to university

cooperation of the private sector and the state of Idaho, are part of a cooperative effort that will make Boise State even stronger in the future," he says.

Crapo and his staff helped Boise State to develop a business program at National Economics University in Vietnam by holding talks with American and Vietnamese ambassadors and working with the U.S. Agency for International Development officials.

U.S. Sen. Larry Craig, a member of the powerful Senate Appropriations Committee, enjoys a position that has given the state an influential voice in the competitive rush for funds.

"I have worked to make certain that Boise State University has received specific funding for science and research projects, as well as for other important priorities," says Craig. "I look forward to working with the university in the future to ensure that the school remains an important education, research and community service presence in Idaho."

This session, U.S. Rep. Mike Simpson became a member the House Appropriations Committee, further adding to the delegation's clout when budgets are decided.

"The appropriations Boise State receives further the institution's tremendous reputation in the research arena," says Simpson, who toured the university's Alzheimer's research lab last spring.

"Not only does the federal funding directly benefit the Boise State campus, but it also provides an economic impact to the state as a whole. I look forward to working with Boise State in the future to ensure this important research continues."

—Larry Burke



Boise State's research efforts have benefited from the support of Idaho's congressional delegation, which includes Sen. Larry Craig, upper left, and Rep. Butch Otter, above.

Newsmakers



Boise State faculty members continue to receive significant media attention outside the Treasure Valley. Here are some examples.

- A paper co-written by **GARY MONCRIEF**, political science, was cited in an article in *Campaigns and Elections* magazine. He also was quoted by *The Christian Science Monitor*, CNN, ABC News, *Newsday*, *The Guardian* (London) and several other media outlets on various political subjects. His book *Who Runs for the Legislature?* was mentioned in *Elle Magazine*.

- A paper by **KEITH HARVEY**, finance, on predatory lending laws was featured in *The Chicago Tribune*.

- **PAUL BAHNSON**, accounting, was quoted in a Reuters story about the Enron-Andersen debacle. The story also ran on *Forbes.com*. *Quality Financial Reporting*, a book co-written by Bahnson, was also cited in a column posted on *Bloomberg.com*.

- **CHARLOTTE TWIGHT**, economics, was quoted in the Cato Institute's *Daily Dispatch* on a story about the FDA's regulatory power. She was also quoted in a Knight Ridder story on the Pentagon's newly formed Information Awareness Office and in an article about federal control over the lives of ordinary citizens in a story from *Cybercast News Services*.

- The Environmental Finance Center, headed by director **BILL JAROCKI**, was featured in an article in the December issue of *WaterWorld*, an industry magazine.

- **ROB TURRISI**, psychology, was quoted in *Brain Child* magazine and *Monday Magazine*, a weekly publication from Victoria, B.C., in articles about alcohol abuse.

- **MARTIN ORR**, sociology, was quoted in a story about the Idaho Independent Media Center in the Web newsletter of the Southern Poverty Law Center.

- Music professor **MARCELLUS BROWN** was stunned when TV talk-show host Oprah Winfrey called him up onstage for a surprise — and tearful — reunion with his former pupil, music teacher Fernando Pullum, during a recent episode of the Oprah Winfrey Show. Pullum, who says Brown saved his life by giving him direction as a teen-ager, was featured on the show because of the successful music program he had started for disadvantaged kids in south-central Los Angeles. Brown thought he was attending the show simply to support Pullum.

Downtown Boise's newest public art, "Grove Street Illumination and Boise Canal," was designed by Amy Westover (BFA, art, '00) as both an inspirational and educational piece. Located at Ninth and Grove, the sculpture includes text and historical photos of Boise's past. Westover is an adjunct professor for Boise State's art department.



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Extra, Extra! Arbiter

Seventy years and counting. That's how long *The Arbiter* and its predecessors have been reporting on the comings and goings at Boise State. Launched in 1933 as *The Roundup*, the student newspaper has been witness to an array of triumphs — such as Boise State's transition from a junior college to a university — and tragedies — including the 24 students who left for World War II and never returned.

In the Oct. 23, 1933, inaugural edition, university President Middleton Barnwell expressed the hope that the paper would become a "binding influence upon the student body." And indeed it has.

From football triumphs and homecoming festivities to student activism and budget cuts, the paper was there. When a yellow jacket disrupted professor Eugene Chaffee's political science class in

1933, a *Roundup* reporter captured the students' amusement as they watched the future college president dodge the persistent insect's attacks.

As world events took a more serious turn, *The Roundup* offered meatier fare. A March 1942 article informed students of a new course on chemical warfare, which promised to "enable college students to play a greater part in the preparedness program of our country." And the Jan. 29, 1971, issue ran a full-page editorial deploring the 335,000 deaths and injuries to American soldiers in Vietnam.

Its pages have also been sprinkled with jokes, editorial cartoons, amusing photos, lighthearted spoofs and even color: The March 17, 1942, edition was printed on green paper, while the 1963 April Fool's edition was orange.

As the school evolved, the paper grew from a small sporadic publication to a 20-



celebrates its 70th

page weekly, and finally to its current twice-weekly format. In 1968, *The Roundup* became *The Arbiter*. According to editor Art Galus, the change reflected the paper's commitment to "stand between factions on campus as a witness or judge, arbitrating matters."

Current general manager Brad Arendt says the name *The Arbiter* is a better representation of both the school's and the paper's purpose. "As Boise State grew from a junior college to a university, *The Roundup* was no longer really representative of what the school, and Boise, had become," he says.

But not everyone felt the name was a good fit. In the 1980s it became *The University Arbiter*, followed by *The University News*, and finally *The Arbiter* once again. In late 1991, when *The Arbiter* was temporarily shut down while its board was reorganized, an independent underground paper called *The Contraband* filled in. *The Arbiter* returned in 1992.

Through it all, *The Arbiter* has served as a hands-on learning lab for students. "It's a student-run paper," Arendt says, noting past uproars over controversial subjects covered by staff writers, such as an article on

Ebonics, and choices made by editors, such as the decision to run an insert from the Holocaust denial movement.

As the paper continues into the 21st century, the following tribute from the Idanha Hotel published in its inaugural issue still applies: "Success to *The Roundup* and may it grow to the glorious heights of molding public opinion as well as serving the needs of the [university]."

Happy Birthday, *Arbiter*.

—Kathleen Craven



Boise State's official student newspaper has appeared under several banners over the years and even had short-lived competitors, such as *Contraband*, which was published in the early 1990s.



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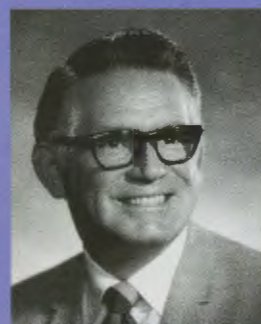
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Boise State presidents, from top: Middleton Barnwell, Eugene Chaffee, John Barnes, John Keiser and Charles Ruch have established a legacy of strong leadership.

Dear Prospective Presidential Candidate:

Congratulations. From a field of 80 candidates, you are one of the few finalists invited to visit our campus for interviews. We look forward to getting better acquainted with you and hope you feel the same way about us.

You realize, of course, that you are hired by and work for the State Board of Education. But to be successful you also must secure the support of faculty, staff, students, alumni, athletic boosters, legislators and others in the community. So you can look forward to meeting a few hundred friendly and curious people while you are here. (See Page 15.)

We look forward to testing your persuasive skills because we want to know how you will provide for the faculty, raise bucketsful of money, enlighten legislators, win the hearts of students and charm state board members, for starters.

We want to see how well you manage crises, keep the budget in balance and plan ahead — all at the same time. Tell us everything you know about topics that range from educational philosophy and university governance to specific concerns like gender equity, tenure policies or parking. And don't forget to tell us how you'll continue to field a winning football team.

Please be charming, witty and articulate. Impress us with your intelligence and command of the issues — and put on your best smile for the television cameras.

We must warn you that the weight of high expectations will rest heavily on the shoulders of the person selected to fill one of the most visible and important jobs in our state. We need to know if you see the world from a picture window or a porthole.

We want your expectations for this great university to match our own. We want you to dream big dreams and nourish them with every ounce of energy you can muster. Provided you have good ideas and treat people right, you'll have all the support you need to be successful.

Expect to hear an earful about Idaho's difficult financial situation. Your term as president is likely to begin with maintenance-level budgets, if you are lucky, and the second year of a salary freeze. Our enrollment will continue to grow, yet there is faint hope that the funds to meet pressing needs like new classroom buildings and additional faculty will be forthcoming soon. And the fact that Boise State isn't getting its equitable share of the state budget compared to

other Idaho universities only exacerbates the problem.

Don't get too discouraged. We're pretty bullish about the prospects for our university. Once you get here, you'll see why. Boise State is located in the heart of one of America's best small cities — in many ways, Boise State is the heart of it.

Even with our economic slowdown, the dynamics of our market present you with boundless potential for program development and fund-raising opportunities that you won't find in more geographically or economically challenged areas. After you have been here an hour or two you'll realize what a promising future awaits Boise State as it develops new means to meet the Treasure Valley's vast economic, social and educational needs. Oh, yes, you'll love living here, too.

You should know that previous Boise State presidents have been very clever in devising strategies to serve a growing enrollment with inadequate resources. All three of your immediate predecessors pushed hard for funding equity for Boise State. All were successful in forging community partnerships to pay for buildings the state couldn't — or wouldn't — pay for. Sure, they would get competitive with their fellow state universities once in a while. They tried to tone it down, but sometimes it just couldn't be helped.

They all put their careers on the line to push our university forward. You need to know that you will be expected to do the same.

We can't wait to tell you about the strides Boise State has taken in recent years — a new engineering college, a move to a higher level athletic conference, a top 15 national ranking in football, new parking facilities and the soon-to-begin construction of a new apartment and residence hall project, to name a few. You'll also find our faculty engaged in high-quality teaching, research and other scholarly activities, proactive and innovative student leaders, a motivated staff and an entire valley ready to lend you a helping hand.

It's always been that way.

We know that while you are here for your visit you must focus a great deal of your attention on the State Board of Education. After all, your future is in its hands. And so is ours, for from the board all good blessings flow. Like you, we want them to dream big dreams. There really is no other way.

The best of luck to you.

— Larry Burke

PRESIDENTIAL SEARCH ON TRACK

A screening committee is hard at work reviewing the resumes and credentials of a large pool of applicants for the next president of Boise State University. The committee was appointed last October by the State Board of Education after President Charles Ruch announced plans to retire this summer ("Ruch: No time to ponder impending retirement" *FOCUS*, Fall 2002).

By the end of January, about 80 applications had been received. The committee will recommend three to five finalists, who will be invited to visit Boise State in April for extensive interviews. The Board plans to make a selection during the summer.

"We are extremely pleased with the quality of the applicants," says Rod Lewis, a member of the State Board and chairman of the screening committee. "Many are highly qualified, with excellent credentials and leadership experience in higher education."

STOCKSTILL NAMED NEW DEAN OF DIVISION OF EXTENDED STUDIES



Boise State's Division of Extended Studies will get a new dean later this semester when Michael Stockstill (left) steps in to head the department that oversees evening, weekend and summer academic courses as well as special programs such as workshops, certificates and teacher in-service pro-

grams, international programs, non-credit courses, a concurrent enrollment program for high school students and a special program for adults age 50 and over.

Stockstill is currently assistant vice president for higher education centers, weekend college and continuing education at Old Dominion University in Norfolk, Va. He received his Ph.D. in history from Mississippi State University, pursued post-doctoral studies at Jesus College at Oxford University, and is a Former Fulbright Fellow.

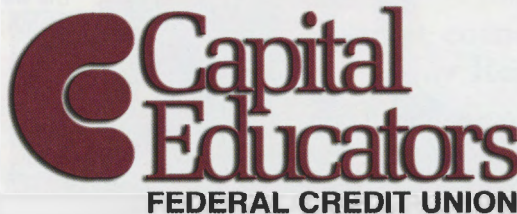
He succeeds Joyce Harvey-Morgan, who retired in January.

CULTURAL ACTIVITIES PLANNED

A vibrant forum for the arts and cultural diversity will abound on the Boise State campus this spring.

On April 17-19 the theatre arts department will present Tennessee Williams' romantic and lyrical play *Summer and Smoke*. Tickets will be available at Select-a-Seat.

The rich history of Native American cultures will be shared by the students of the Intertribal Native Council at their annual Pow Wow April 12-13. Mexican American students will host a lively fiesta with spicy food, Mariachi music and other activities at their Cinco de Mayo celebration on May 4. Pacific Island students are planning a luau in April, although a date had not yet been announced at press time.



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Hawkins, left, led the way to a 12-1 season.

But it never happened.

The pivotal moment in the 2002 Broncos' amazing season wasn't their 67-21 dismantling of Fresno on national TV in October. Nor was it their title-clinching 44-7 victory over Nevada in November.

No, the Broncos' turning point took

Broncos' triumphant season born of adversity

It could have blown up in their faces on Sept. 7 in Fayetteville, Ark. Maybe — just maybe — the 2002 Boise State football team's dream season could have unraveled before it ever had a chance to build any kind of momentum.

All of the Broncos' great expectations for a glorious autumn — national recognition with a top 25 ranking, a Western Athletic Conference championship and a bowl game appearance — seemed in jeopardy just two games into the season after their 41-14 loss to Arkansas.

"Leave no doubt" was the Broncos' rallying cry going into the '02 season after they were aced out of the bowl game picture the previous year despite posting an 8-4 record and finishing tied for second in the WAC.

Loaded with offensive talent, the Broncos were primed for greatness in 2002; their 38-21 season-opening victory over archrival Idaho indicated as much. But on Sept. 7 at Arkansas their grandiose plans appeared in danger. For not only did they get roughed up by the Razorbacks, they also lost star quarterback Ryan Dinwiddie to a broken ankle.

It could have been disastrous. The decisiveness of the defeat and the loss of Dinwiddie — who many considered the one player Boise State could least afford to lose — could have created self-doubt, second-guessing and a sense a panic among the Broncos.

place in the hours and days following their disappointing performance in Fayetteville. Because it was then that second-year coach Dan Hawkins, his staff and his players decided they indeed would leave no doubt.

"I reminded them that we find out what we are made of when adversity strikes," says Hawkins when asked what he told his players after the Arkansas game. "I also restated something we talk about often: Don't worry about winning or losing, just do things right. Don't try and win, try to be a winner. Our whole mission is a quest for excellence, to become the bow, not try and hit the target. Regardless of the record, we vowed to sit down on Jan. 1 and assess the season. Until that point we would keep coming regardless of the outcome."

And keep coming they did. The Broncos never missed a beat after the Arkansas loss as senior quarterback B.J. Rhode stepped in and deftly ran the Bronco offense as Dinwiddie healed.

"We talk about everyone having a role and how each role is important," says Hawkins. "We talk about how you must be ready when you get your opportunity. B.J. was ready."

And so was the rest of the team. For the remainder of the season Boise State ran roughshod over every opponent in its way, reeling off 11 straight wins and finishing 8-0 in the WAC.

Instead of struggling to find them-

selves following their loss to Arkansas, the 2002 Broncos became more resilient and focused. They also became the offensive juggernaut everyone expected — 67 points against Fresno State, 63 against Utah State, 58 against Hawaii and UTEP, 52 versus Tulsa. The '02 Boise State offense scored no fewer than 34 points against every opponent except Arkansas. Dinwiddie returned in mid-October and running back Brock Forsey, the WAC Offensive Player of the Year, ran wild behind an offensive line that dominated every opponent. At the end of the season, Boise State led the nation in total offense and total points.

While the Boise State offense rang up record-setting numbers, the defense steadily improved. Led by senior safety Quintin Mikell, the WAC Defensive Player of the Year, the Bronco defenders dispatched their WAC opponents each week with increasing ferocity. By the time the regular season ended and the Broncos received an invitation to play in the Humanitarian Bowl, the defense was almost as intimidating as the high-powered offense.

And on Dec. 31 in the H-Bowl, Iowa State of the Big 12 got a dose of the kind of punishment Boise State had meted out all year as Hawkins and his players culminated their amazing season with a 34-16 victory.

With a 12-1 record, WAC title and bowl triumph, the '02 Broncos captured the imagination of Boise State football fans like no other since the 1994 Division 1-AA national runners-up and the 1-AA national championship team of 1980.

Boise State left no doubt. The Broncos finished No. 12 in the *USA Today/ESPN* coaches' poll and 15th in the Associated Press rankings. Only national champ Ohio State had a better record (Miami and Georgia were the only other Division 1 teams with one loss). Hawkins, the WAC Coach of the Year, was awarded with a five-year \$1.5 million contract.

It could have unraveled on Sept. 7. Instead, their single setback made them better.

"Like in *Apollo 13*," says Hawkins, "it was our finest hour."

— Bob Evancho

Randall named U.S. wrestling coach

Boise State's Greg Randall (below) has been named an assistant coach for the 2003 U.S. World Cup **WRESTLING** team. The national team will be in action at the Bank of America



Centre in Boise when the city plays host to the 2003 World Cup of Freestyle Wrestling April 5-6.

Eleven Boise State student-athletes received **ALL-ACADEMIC** honors

from the Western Athletic Conference for the 2002 fall sports season. The students were soccer players Abigail Bernards, Coby Meikle, Tara Milligan, Abigail Roche and Katherine Wopat; football players Kevin Louwsma, Chris Carr and Tyler Jones; volleyball players Mindy Bennett and Christina Moore; and cross country runner Miles Wiscombe.

In **CROSS COUNTRY** Robin Wemple finished sixth at the WAC meet. On the men's side, Wiscombe and Michael Ciampini both finished in the top 15 as the Broncos finished fourth. At the NCAA regionals the men's team finished 13th while the women placed 20th.

In **SOCCER** the Broncos finished 5-11-1 overall and 1-7-0 in WAC play. In **VOLLEYBALL** the Broncos finished with a 1-24 record, 0-13 in the WAC.

In **FOOTBALL** seniors Quintin Mikell and Brock Forsey along with freshman offensive tackle Daryn Colledge received All-America honors from *The Sporting News*. Mikell, a safety and the Defensive Player of the Year in the WAC, was selected to the third team. Running back Forsey, the WAC's Offensive Player of the Year, received fourth-team honors after leading the nation in scoring with 32 touchdowns. Forsey also received honorable mention All-America honors from CNN/SI. Colledge was named to *The Sporting News* third-team All-America freshman squad. In addition to Mikell and Forsey, junior quarterback Ryan Dinwiddie and senior offensive linemen Scott Huff and Rob Vian earned first-team All-WAC honors.

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Lewis & Clark in Idaho

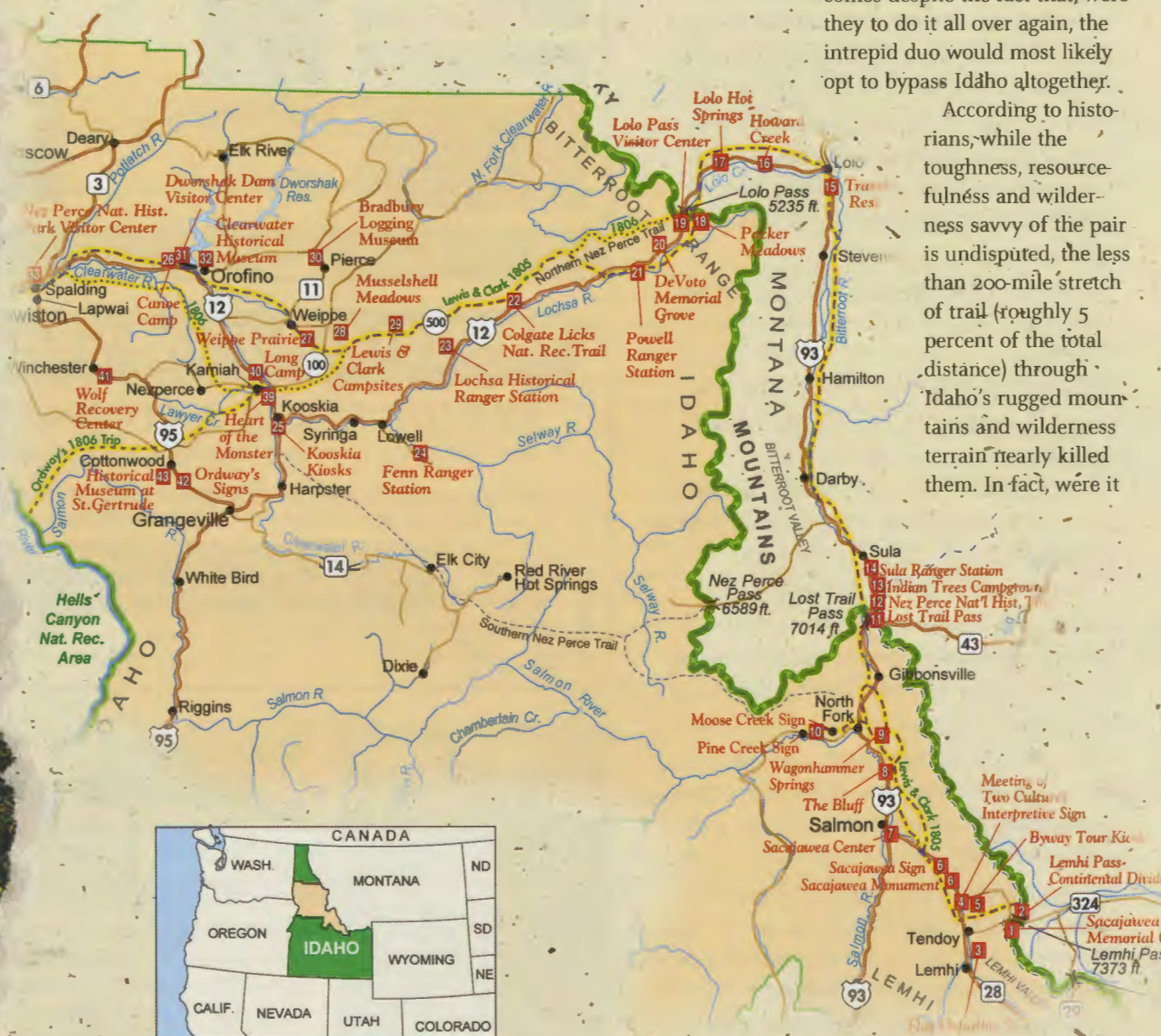


BY KATHLEEN CRAVEN
& BOB McDIARMID

For the next three years, Idahoans will join with the rest of the nation in commemorating the bicentennial of the incredible journey of Meriwether Lewis, William Clark and the Corps of Discovery. After all, the group passed through Idaho and included the young native woman Sacagawea who was born near present-day Salmon.

This outpouring of pride comes despite the fact that, were they to do it all over again, the intrepid duo would most likely opt to bypass Idaho altogether.

According to historians, while the toughness, resourcefulness and wilderness savvy of the pair is undisputed, the less than 200-mile stretch of trail (roughly 5 percent of the total distance) through Idaho's rugged mountains and wilderness terrain nearly killed them. In fact, were it



not for the kindness of the Shoshone and Nez Perce tribes, they would never have made it.

"Idaho was by far the hardest and hungriest part of the entire journey," says Boise State adjunct history professor Carol Lynn MacGregor (MA, history, '91), a Lewis and Clark authority. A year and a half into the journey and already trail weary, the Corps expected to navigate Lolo Pass, east of present-day Missoula, Mont., on the Montana-Idaho border and find a water route waiting to whisk them to the Pacific Ocean. Instead, they came face to face with the most intimidating mountain range they had ever seen — the Bitterroot Range of the Rocky Mountains.

"They thought they could go from the Missouri River to the Snake and Columbia River drainages," says Boise State history professor and North American exploration expert Barton Barbour. "But going over the mountains, they realized they were in tortuous real estate."

So they did what many explorers unfamiliar with such rugged terrain would do — they got lost. After close to two weeks of eating limited stores of dried salmon as well as camas roots, horses and candle wax made from animal fat, they staggered out of the Bitterroots in late September 1805 and were rescued by the Nez Perce near present-day Weippe. Never having encountered white men before, the tribe's first instinct was to kill the intruders. But a Nez Perce woman who had been treated well by white men while a

prisoner of another tribe persuaded them to spare their lives.

"They were very weak and hungry, and extremely ill from dysentery. They were a pushover," MacGregor says. "They owe a great debt of gratitude to the Nez Perce."

And the nation owes a great historical debt to Lewis and Clark. Having survived the travails of the Idaho portion of the journey, the group pushed through Washington and Oregon and eventually reached the Pacific Ocean in November 1805, having accomplished several key goals laid out by President Thomas Jefferson.

In an 1803 letter to Capt. Lewis, Jefferson outlined three purposes for the journey. First was to discover the Northwest Passage, thereby opening up the continent to commerce; second was to

gather scientific data; and third was for expansion of the fledgling nation's empire.

Although their journey proved, ultimately, that there was no Northwest Passage, the adventure did indeed open the doors to unprecedented commerce in the fur trade. Their invaluable cache of scientific data detailed 178 plants and 122 animals that were new to them, and also detailed valuable information about familiar flora and fauna. Finally, having extensively mapped an area only roughly navigated by others, they were able to lay claim to vast areas of the West.

"Lewis and Clark opened a pass to the West," MacGregor says. "Fur traders came immediately in their wake, with missionaries soon after and settlers on their heels. ... There had been exploration along the coast by Spaniards;

Russians and English, but these were Americans and they expanded this country from sea to sea and lay the first claim over the land for America."

While that's all well and good and dutifully recorded in history books, the true reason for most Idahoan's swelling of pride goes beyond the science and the politics to the true heart of the journey. Bottom line — this is definitely one of the greatest adventure stories ever told.

"To some Americans, the Corps of Discovery affirms admirable aspects of our national character, like the rugged individualism, hardy adventurousness and an irresistible urge to discover what lies beyond the horizon," writes Barbour, in an essay reviewing *The Journals of the Lewis and Clark Expedition*. "The tale of those roughly 30, mostly unknowable 'Americans' who trekked to the Pacific seems comparable to the adventures of Odysseus and his cohorts."

Artwork reprinted by permission of the Idaho Travel Council. It was originally designed by Jim Hadley (BA, advertising design, '78) at ES/Drake Design and was adapted for FOCUS by Bob McDiarmid.

Commemorating the Corps

The next three years will feature an amazing array of legacy events commemorating the bicentennial of the Corps of Discovery's path through Idaho. Events start in June 2003, with a summer fair in Lewiston that will include a Lewis and Clark Symposium as well as a Lewis and Clark Discovery Faire. This summer also will feature the opening of a new Lolo Pass Visitors Center by the Clearwater National Forest.

The city of Weippe is also planning to unveil a new Lewis and Clark center in June. Weippe is a key site on the journey of Lewis and Clark, as the Nez Perce Indians rescued the Corps after its members nearly starved to death in the winter cold of the Bitterroot Mountains. Salmon is opening its new Sacagawea Interpretive and Education Center in August in conjunction with Sacagawea Heritage Days.

The City of Boise will dedicate a statue of Sacagawea this spring. The statue will be located outside the Idaho Historical Museum in Julia Davis Park.

Two Web links to guides and maps for the Lewis and Clark Bicentennial are TIME magazine's Lewis and Clark feature at www.time.com/time/2002/lewis_clark/ and Idaho Travel Council's Web site for The Lewis & Clark Exposition at <http://www.lewisandclarkidaho.org>.



Repercussions from 9/11 continue to ripple through the university

Boise State after 9/11

BY LIZ MELENDEZ

It would be difficult to teach a college class on politics, government or many other contemporary subjects without at least introducing the events of Sept. 11, 2001.

"It's a pivotal event that we can refer to," says Patti Fredericksen, chair of Boise State's political science department. "We talk about how a single event can change everything."

Fredericksen is one of several Boise State professors using Sept. 11 and the ways in which it shaped the world to occasionally illustrate concepts in class. For example, in an introductory class on public administration examining attitudes toward government, Fredericksen referred to Sept. 11 and the resulting changes in airport security to illustrate points about public policy.

Sept. 11 also provides a good starting place for discussions on the trade-offs between security and liberty. Fredericksen says she has used Sept. 11 in research classes to illustrate how a single event can entirely skew data. As an example, a study on civic engagement that was started before Sept. 11 has to be looked at differently after the day of the terrorist attacks on America. "All the responses post 9/11 have to be interpreted in that context," she says.

Greg Raymond, political science professor and director of Boise State's Honors College, has incorporated the attacks into an introductory honors seminar he teaches for incoming freshmen that focuses on decision-making.

Raymond and his students examine the information received by the CIA, FBI and other federal agencies before Sept. 11 and "look at how it was that bureaucratic politics prevented the United States from piecing together the information they had," he says.

Raymond also uses Sept. 11 in a class on terrorism. In the past, the class usually focused on

groups operating within the boundaries of a single country. "As a result of 9/11, there is a tendency to look at groups operating in networks across boundaries," Raymond says.

And Sept. 11 is having repercussions beyond classroom walls. The federal government now requires universities to more closely track international students, who make up less than 2 percent of the university's student population. In fall 2002, 284 international students were enrolled at Boise State.

Universities nationwide are required to use a new online database named SEVIS (Student and Exchange Visitor Information System). Boise State started putting information on students admitted for the spring 2003 semester into the database last August. Consulates, embassies and ports of entries will eventually have access to that information.

"It's more accessible and I think it's going to be more closely tracked," says Barbara Fortin, Boise State's director of admissions.

The program requires international programs office staff members to track foreign students, making sure they have arrived and are attending classes each semester. "This makes me more of an immigration police than I was before," says Christy Babcock, international student adviser.

Babcock says it will be challenging to inform students of the new policies and ensure they comply. "Our biggest challenge is going to be to educate the students about how serious these new restrictions are."

It's all part of post-9/11 America.

Cuban defector follows dream to Boise State

Earning a master's degree almost always involves a sacrifice of time and money. Alexis Feo Fernandez also gave up his family and homeland.

Feo Fernandez, 35, is a Cuban defector. He's also planning to graduate from Boise State this May with a master's degree in piano performance and eventually hopes to become a citizen and bring his parents and sister to the United States.

His story begins in 1994. Frustrated with the political situation in Cuba, he considered sailing to the United States on a raft, if necessary. Then he got word of the Gina Bachauer International Piano Competition in Salt Lake City. But he was denied a visa by the U.S. State Department, so he resigned himself to staying in Cuba.

Two days before the competition he received a phone call from U.S. Sen. Orrin Hatch from Utah. Hatch had read about Feo Fernandez's plight in the paper and arranged for a visa.

"I never talked to [my family] about it," he says of his plans to defect. "It happened so fast. I had two days to get ready." He also worried that anything he said might give him away and lead to his detention.

"A woman in the airport was talking to me," he recalls. "She said she was living in Miami and asked if I was going to defect. I thought that she worked for the government and was trying to trick me, so I said no."

Once at the competition, where he did not win, he realized he would never go back to Cuba. But he also knew that if he asked for political asylum, he could be putting his family in danger. So he applied for a student visa, and a year later filed for residency.

"My family was [safe] because I did it that way," he says. "It wasn't my way to talk politics because of my family. Sometimes they can make trouble for them where they work."

Feo Fernandez, who earned his bachelor's degree in Cuba, spent his first years away from his homeland learning English and working odd jobs so he could send money back

to his family. He tried to also work the concert scene, but the grind of trying to do it all wore him down.

Eventually, he gave up piano, but it continued to call to him, so he decided to pursue his master's. Hearing that Boise State had a good program, he moved to Boise and worked at Micron for a year. Then he paid a visit to campus.

"I remember when I met him," says music professor and pianist Del Parkinson. "I was really amazed at his ability. It's not every day that you meet a new student like that, someone with that much talent."

Feo Fernandez enrolled, earning three scholarships to help with expenses.

Parkinson says Feo Fernandez's solid music background allows him to not only play difficult pieces, but to also play with real emotion. "He plays with a lot of heart," says the professor.

"Rachmaninoff is my favorite," Feo Fernandez says. "I feel like I can relate to him because he was also living in exile."

—Kathleen Craven



Del Parkinson, left, works with master's student Alexis Feo Fernandez.



Holli Shultz, a senior biology major, studies a film that shows proteins of the vitreous humor, a collagen structure that holds the eye's retina in place. Shultz and other students work with biology professor Julie Oxford on research that could help scientists develop methods to prevent vision loss where a deteriorating vitreous humor causes retinal detachments.

BY JANELLE BROWN

STUDENT SLEUTHS

Undergraduates conduct cutting-edge research

It's four o'clock on a Friday afternoon, but nobody's yawning. On the contrary, the energy is palpable as Boise State University students discuss their research with chemistry professor Dale Russell. One student scrawls notations on a dry board to explain why an experiment went awry. Several others discuss the instrumentation training they'll need to conduct upcoming tests. Russell asks well-placed questions, but her students drive the discussion. When the meeting ends, everyone is clear about the tasks ahead.

If there's a goal-oriented undertone to this weekly gathering, there is good reason: This research is real. Russell has more than \$1 million in active grants that focus on the development of subsurface sensors, and these students are part of her research team.

The fact that most of Russell's "team" have yet to earn bachelor's degrees would be unheard of at many universities, where undergraduates are mostly

relegated to teaching labs while graduate students work with professors on research projects. But at Boise State, undergraduate education and cutting-edge research go hand in hand. The trend is growing, and it's bringing many benefits to both students and the university.

"By encouraging our students to get involved early on in research, we're broadening the scope of their experience," says John Owens, Boise State's vice president for research. "The best way to ensure the latest theories are being taught in the classroom is to

have a faculty that is also engaged in research."

At Boise State, undergraduate students are conducting genetic studies on an invasive grass species, translating 18th century Polish memoirs, studying the role a single protein may play in the progression of breast cancer, examining the effects of contract-based policing on a local community, and compiling data on risk factors for binge drinking among teens. They've presented their findings at national

and international conferences, and authored papers for inclusion in prestigious journals.

While the research itself is exciting, its repercussions echo far beyond the laboratory, says Provost Daryl Jones. "Part of the benefit of research is that we communicate and pass along a passion for a discipline," he says.

But why undergraduate research? And why now? University officials point to a number of factors. One is Boise State's growing success in

procuring research dollars. In fiscal 2002, the university garnered more than \$19 million in externally funded projects, more than triple the amount awarded a decade earlier. The Inland Northwest Research

Alliance, a consortium of eight universities including Boise State, was created in 1999, and is spawning new regional collaborations. So is the newly created Biomedical Research Infrastructure Network, a multimillion-dollar statewide research program funded by the National Institutes of Health.

Another factor is a growing emphasis by agencies such as the National Science Foundation and the National Institutes of Health to include plans for undergraduate involvement in research proposals. The move is aimed at addressing a shortage of scientists and engineers in the future by encouraging students to consider these fields early in their academic careers. Some programs, such as a \$60,000 Merck Foundation grant awarded to Boise State last year for interdisciplinary projects in biology and chemistry, are targeted specifically for undergraduates.

The university's College of

BUSINESS RESEARCH

By JUSTIN ENDOW

Rather than sitting in a classroom scribbling notes on economic theory, 16 Boise State students spent two months last fall researching current telecommunications technology in Twin Falls, Gooding and Emmett. In October, the students presented their findings to city and state government officials, business leaders and economic developers at the "Connect Idaho" conference in Sun Valley.

The conference, sponsored by the Idaho National Engineering and Environmental Laboratory and the Idaho Rural Partnership, focused on how rural communities can leverage telecommunications technology to strengthen local economies.

Norris Krueger, professor of entrepreneurship at Boise State and the students' instructor, says their research lays the

foundation for government officials and economic developers to build networks that will enhance the commercial attractiveness of their communities.

"Some of these areas are not taking advantage of the connectivity available to them," Krueger says. "The students packaged this information into these presentations, and now business and city leaders can take it to the next level."

In gathering and presenting this information, Krueger adds, the students have developed skills and established contacts that will make them more marketable. Many of the conference attendees were surprised to learn that they were not graduate students.

"We were completely responsible for our own



Norris Krueger, left, discusses rural development ideas with student researchers

success," says Julie Higgins, a December 2002 graduate in accounting. "Norris' role was to get us started. After that, [we] needed to rely on each other. Not many undergrads have the opportunity to apply what they've learned to a business environment before they even graduate."

Higgins and Ami Bennett, a senior in business management, both felt that the flexible schedule of the course offered the students a hint of what they can expect in that "real world" atmosphere.

Engineering jump-started new areas of research when it was established in 1997. "We're aiming toward a Ph.D. program in the not-too-distant future, and it's very important we continue to build a solid research base," says Lynn Russell, dean of engineering.

University officials also point to Boise State's overall evolution as an institution. Founded in 1932 as a junior college, what is now Boise State became a four-year institution in 1965, added its first master's programs in 1971, its first doctoral program (in education) in 1994 and its first Ph.D. program (in geophysics) in 2000. Still primarily an undergraduate institution, the university is ideally positioned to promote research among its largest constituency.

For alumni like Christina MacDougall, (BS, biology, '01), now a Ph.D. student in molecular pharmacology at Stanford University, conducting research at Boise State opened exclusive doors.

"I wouldn't have even been considered [at Stanford] if it wasn't for my research experience at Boise State," says MacDougall, who worked with biology professor Cheryl Jorcyk on prostate cancer research and received a fellowship her senior year to present a paper at the American Association for Cancer Researchers. MacDougall, who competed with doctoral and post-doctoral fellows for the fellowship, was among only a small number of undergraduates who were invited to the national conference.

Kim Mallett, (BS, psychology, '98), credits working with psychology professor Rob Turrisi with both getting her into a prestigious Ph.D. program in clinical psychology at the University of Washington and helping her suc-



JOHN KELLY

BIOCHEMISTRY RESEARCH

By PAT PYKE

The candy-red liquid in the test tube Carissa Thornock (left) is holding is a form of anthracycline, a potent but paradoxical chemotherapeutic drug. Used widely in treating many kinds of cancer, anthracyclines effectively kill cancer cells. But their use is limited because, through a poorly understood mechanism, they can damage heart tissue, markedly more so in some people than others.

Thornock, a senior majoring in chemistry and microbiology, has conducted hundreds of experiments aimed at understanding anthracyclines' cardiotoxicity under a research project by biochemistry professor Susan Shadle. Funded by National Institutes of Health/Biomedical Research Infrastructure Network grants, the

research probes several molecular level causes of cardiotoxicity. The project includes about 20 researchers, students and technicians at Boise State and the Veterans Affairs Medical Center.

Showing adeptness at translating complicated biochemistry terms into understandable language, Thornock explains the gist of her work: "For any muscle in your body to twitch correctly, it needs a certain inflow and outflow of calcium from an organelle called a sarcoplasmic reticulum. ... We think that a major portion of what causes heart attacks is because calsequestrin [the protein that binds and releases calcium] gets gummed up by the anthracycline, and that's what we're trying to explore."

To test the hypothesis, Thornock uses a spectrophotometer to penetrate prepared samples with a beam of light and analyzes changes in the calsequestrin's emit-

ted light intensity in the presence of anthracyclines. Shadle encourages input from the students on fine-tuning the experiments, and the students on her team meet frequently to exchange ideas.

"Carissa is really mature enough to put research together," says Shadle. "She came up with a perfect solution for how to do whole sets of experiments that were completely comparable to each other."

Thornock had been planning on medical school before she began this research. Now she's aiming for a job in pharmaceutical research with an eye on graduate school, and she thinks her lab experience will be an asset.

"I'm not going to be just a person who's versed in theory," she says. "I won't be just an entry-level person. I will have a huge advantage compared to other [new graduates]."

ceed once she was there.

"I was prepared to come into an ongoing research program and be productive. I had a running start instead of spending time getting used to the system," says Mallett, who worked with Turrisi on research on early intervention to prevent skin cancer and on binge drinking among college students, and continues to collaborate with Turrisi on alcohol research.

Like MacDougall, Mallett presented

papers at major conferences. "As an undergraduate, you don't see that very often. But at the time I didn't realize how unusual that really was," she says.

Mallett describes her research with Turrisi as "the best experience I had at Boise State." But Turrisi quickly turns the tables: "I couldn't possibly do what I do without highly talented students. Every accolade I've received is the result of students' hard work," says Turrisi, who currently has more than

ENGINEERING RESEARCH

.....By JUSTIN ENDOW

Last summer, senior Boise State electrical engineering major Joe Lindsey used an etch machine to drill holes in computer chips, aiding in a project that could put Boise State on the cutting edge of semiconductor technology.

A handful of undergraduates, including Lindsey, have assisted a team of faculty, staff and graduate students as they work to develop a method for stacking computer chips on top of each other. This procedure would allow the chip-to-chip connections to be shorter, resulting in faster signal transmission and reduced power consumption, all in less space.

Boise State shares the research responsibilities with the Microelectronics Center of North Carolina; the project is sponsored by the Defense Advanced Research Project Agency (DARPA). An arm of the Department of Defense, DARPA could apply the

results of the project to all kinds of telecommunications systems both domestically and on American military fronts.

"I've gotten on-the-job training on specific machinery that students at other schools likely would never experience," says Lindsey. "We've had vendors, who are mostly masters and Ph.Ds, amazed that undergraduates are involved in handling machinery and have the knowledge and experience to offer input."

Shane Lillie, a 20-year-old computer science major, feels this work has bridged the gap between the classroom and the corporation.

"They come to me with ideas for software that might help them," he says. "I get to develop it, code it, then let them try it and critique it. I'm able to work through the process on my own and get helpful feedback, all without



Joe Lindsey, left, and Shane Lillie work on a research project.

the pressure of a real business environment."

Amy Moll, a professor of mechanical engineering and one of the project facilitators, says that while this type of opportunity is rare at most universities, many Boise State engineering students will receive hands-on experience before graduation.

"I just hope they'll see some things from their classes in these projects," she says. "The work will look good on a resume, but more importantly, they'll have applied their knowledge to practical endeavors."

\$2 million in grants to study psychological determinants of teen drinking and alcohol-related consequences and the efficacy of parent-based interventions.

Other faculty share Turrissi's enthusiasm. "They bring such a fresh perspective. They don't have this catalog of how things are supposed to be done," says Dale Russell. "They're eager and enthusiastic and they're willing to try anything."

But Russell cautions it's a mistake to equate students' inexperience with

ineffectiveness. "Students are the ground level of the research infrastructure in America. This is not a pastime. They are the troops in the trenches," she says.

And just like any troops, a certain amount of discipline is required. "I only take the most committed students," says biology professor Jorcyk, who conducts breast and prostate cancer research.

"I aim for two school years and one summer. If they're only with me for a short time, they do not receive enough

training to be truly productive."

"It takes a special kind of faculty to conduct research with undergraduates," notes Martin Schimpf, associate dean of the College of Arts and Sciences.

"I've heard faculty say, 'I could do this same work myself in one-fifth the time.'"

Yet many faculty are adamant that the extra effort is well worth it. "If you want people to become future scientists, the best way is to acquaint them with the scientific enterprise early on," says chemistry professor Susan Shadle. "A lot of these students wouldn't go to graduate school if they hadn't had research experience as undergraduates. I am an example of that."

Research facilities also present challenges, especially as programs grow. Jorcyk, for example, says she was recently approached by two students who wanted to join her research team. "I had to say no because physically I just didn't have the space," Jorcyk says.

As Boise State's research presence grows, the space crunch will become even more critical, notes Owens. "We were never designed as a research institution. At some point the state is going to have to address this issue," he says.

Meanwhile, Boise State continues to formalize its research collaborations. For example, the university's *Strategic Plan* calls for the establishment of a universitywide Undergraduate Research Opportunities Program to encourage undergraduate students to "conduct independent research or to assist in faculty research and scholarship." Such programs already exist on campus, perhaps most notably in the College of Social Sciences and Public Affairs, which established the university's first undergraduate research initiative, or URI, in 1998. The program provides stipends for students to work with faculty on a variety of research

projects and pays travel costs for students with accepted posters and papers to attend the National Conference on Undergraduate Research.

"We really emphasize hands-on learning in our college," says Shelton Woods, associate dean of the College of Social Sciences and Public Affairs. "It's a perfect opportunity for students not to be assistants but to be collaborators. It gets them out of the classroom and on a peer level with some of the best faculty in the country."

Increasingly, research experience is also being integrated into the curriculum. In chemistry, majors are required to earn at least two credits of research in order to graduate. The approach is paying off; in the past five years, nearly 60 poster presentations or published

articles listed undergraduates as authors or co-authors.

In biology, undergraduates now work with more than a dozen professors on a broad spectrum of research projects; plans are in the works to formalize those collaborations with a research honors program specifically targeted at top undergraduates. The move would ensure that undergraduates maintain an active research role as the department and its master's degree programs continue to mature, says department chair Jim Munger.

For Boise State students involved in research projects, the long hours can both fuel dreams and reap rewards. Some, like geology senior J.D. Spalding, are working in labs to help fund their education and to prepare for graduate school.

"I think my research experi-

ence will help my chances immensely," says Spalding, who has applied to graduate programs at several Florida universities.

Dale Russell's research team includes students with many bright dreams. Joeli Adriany, a biology undergraduate, talks about her interest in someday working in the biotechnology field. For Jon Scaggs, (BS, biology, '99 and chemistry, '01), now a Ph.D. student in geophysics at Boise State, conducting research with Russell since his undergraduate days has been an inspiration that has motivated him to continue to study.

"I think my education began when I started working for her [Russell]," Scaggs says. "She is a great mentor and a great leader. My notion of what a scientist is and the work they do was very different before I started to do this work."



EDUCATION RESEARCH

.....By SHERRY SQUIRES

In research, theory meets real life. For senior education major Anne Moore (above, with students), the fusion resulted in an even stronger passion to teach.

Moore is a student teacher at ANSER public charter school in Boise, spending the year with kindergartners. Through education professor Jonathan Brendefer's senior research class, Moore was challenged

to structure a unit on geometry, teaching her students how to recognize and describe triangles, rectangles, squares and other shapes.

She started by researching how children learn geometry, how schools teach it and what the national math standards require them to know. She then built her plan to teach geometry and took it to the classroom.

"I've been blown away," she says. "It's been awesome to see how children learn and how I'm really just there to facilitate it."

Her prior research set the framework for how she would teach geometry and how she would measure what the students learned. A pre-test and a post-test would judge her success. When the students began to demonstrate the concepts she was trying to impart, she says her natural desire to teach was augmented by a new excitement.

"The research helped me look into things that I thought I knew something about and reshaped my thinking," she says. "It made me see that children are so capable when the teaching is shaped appropriately."

Brendefer says the research is set up to chal-

lenge his student teachers to look at what they are teaching, how they are teaching it, and set up a framework for assessing it. As they build lessons, they must keep them connected by their overall learning goals.

Once their unit is complete, they will analyze the data they have collected, draw comparisons and write up their findings. He hopes the research will make them reflective teachers who continually improve upon their teaching methods.

"As teachers they need to know that teaching is not constant, that we should constantly be changing," he says.

Moore says the experience will undoubtedly help her focus her teaching as she enters the profession next fall.

WHY I AM

STILL HERE



The author, left, listens as students James Rodríguez, right, and Juan Carlos Díaz-Vélez discuss a model of a nanoscale capacitor they developed.

Conducting research with undergraduates keeps the job fresh

BY CHARLES HANNA

A colleague of mine once asked point blank why I am here at Boise State University. Like many of the important choices in my life — who I married, why and when I had children — the answer is a combination of chance (the physics department at Boise State had one of the few suitable faculty openings in the year I applied) and calculated decision (it offered the balance between teaching and research that I was looking for, and it seemed like a good place to live, work and raise a family). But as I answered my colleague's question, I realized that the more important question is why I continue to stay.

"I have found that doing research with undergraduates is the art of melding teaching, research and mentoring into a single practice."

There are several reasons: the encouragement and support of colleagues and the administration in building a vibrant physics research program, successes in pursuing external funding and gratitude to the university for helping me realize a lifelong dream of being a college professor. I like the opportunities to make significant contributions to my department and college, and to the university.

Boise State is a growing institution that is still inventing itself, and there is room for enterprising people with vision to make substantial contributions to the growth and character of the university. I admire the pluck and enterprising character of Boise State, which manages to do so much with so little, and which truly serves the diverse needs of a wide variety of students by offering degree programs that run the gamut from a Ph.D. in geophysics to a vocational certificate in professional truck driving. All of these things are important to me, but there is another hallmark of my career at Boise State that has profoundly affected the way I do research and which has been unexpectedly compelling — conducting scientific research with undergraduates.

In graduate school and in my postdoctoral positions, the researchers I worked with did their research almost entirely with faculty colleagues, postdoctoral researchers and graduate students. Undergraduates never played a central role. I always assumed this was because research in theoretical physics demanded years of preparatory study. My career at Boise State forced me to challenge that assumption and to stretch my research projects to include undergraduates. I have also had to stretch my undergraduates to meet the demands of doing cutting-edge research. Ultimately, I have found that doing research with undergraduates is the art of melding teaching, research and mentoring into a single practice — one that has been unexpectedly reward-

ing for me both professionally and personally.

I confess to being very

selective about the students who work with me. Part of the reason is practical: my research in theoretical nanoscale physics involves developing specialized mathematical models that describe the group behavior of large numbers of interacting quantum particles. It is very difficult for an

undergraduate to make a significant contribution to the research without a lot of mentoring, coursework and preliminary research apprenticeship. During a student's first two years with me, the pace of my research is reduced from what I could accomplish on my own. It is typically only during the student's last year that his or her contribution exceeds the tutoring and supervision required. So I have had to choose my students carefully and work with

HEALTH RESEARCH

.....By SHERRY SQUIRES

Because of the work and enthusiasm of undergraduate nursing students like Shandy Davis, area hospitals know how to better reach out to rural communities — and hopefully improve breast cancer survival rates through early detection.

Davis, a senior, and fellow students Brandi Hinrichs and Jane Loyd, gathered surveys from women in rural areas regarding mammograms, then compiled and analyzed their comments. They then pulled together graphs and charts and drew comparisons, researched what other rural communities were doing and formulated a list of recommendations for Rural Connection, a partnership between Boise State, St. Luke's Regional Medical Center and several rural hospitals. They also attended health fairs and workshops.

"We were looking for things that we could

implement at little or no cost that would make a difference," Davis says.

They concluded that translating information to Spanish and encouraging doctors and other health-care providers to discuss mammograms with their patients could mean major strides.

Rural Connection coordinator Connie Smock says the students' efforts greatly enhanced area hospitals' efforts to reach out and will be used in planning.

Davis says for her, the research drove home how important it is for everyone in the health-care system to reach out to patients.

"It made me see that things like hospital dis-

Cindy Clark, left, and St. Luke's mammography coordinator Darla Blair, center, run through the basics of a mammogram with Shandy Davis.



charge planning that might seem routine really are important," she says. "I think just understanding the role research plays and seeing how it translates to making things better is so important."

Professor Cindy Clark says research plays a critical role in nursing education. "It makes the students better nurses and betters all of us as consumers of the health-care system," she says.

The study was funded by a grant from Friends of Nursing, a volunteer group that supports nursing education at Boise State.

only one or two at a time. The other reason I am choosy about students has nothing to do with practical considerations. I like working with engaging people who have interests outside the sciences. Unusual backgrounds or experiences are not required, but they are a plus. Perhaps this is a legacy of my Anglo-Latino working-class heritage.

My first undergraduate research collaborator, Dylan, began at Boise State as a theatre arts major, acted in a movie

and worked at several fine Boise restaurants. He had the most colorfully choreographed wedding I have ever attended. He was personable and dedicated, and it was always interesting to work together, including during his long apprenticeship where he learned about physics, computers, modeling physical systems, writing and making presentations. Dylan was my first undergraduate co-author of a very long paper published in the leading journal of condensed-matter physics, *Physical Review B*. His theater background was an asset; he won the award for the best undergraduate pres-

entation in physics at the 1998 meeting of the Idaho Academy of Sciences.

My second undergraduate research collaborator, Juan Carlos, also came from a performance background; he was a professional ballet dancer with Ballet Idaho. He is also a dad. I admire Juan Carlos because of the long road he has cheerfully taken in physics; he started at the very beginning, with Math 025 and Physics 100, and worked his way course by course through vector calculus, quantum physics and advanced computer programming. Juan Carlos and I have so far co-authored four refereed scientific papers, and he has given contributed talks at two meetings of the American Physical Society. Fortunately for me, he continues to collaborate with me during the summer as he pursues his master's degree in computer science.

My newest student, James, came to Boise State through the College Assistance Migrant Program (CAMP), and worked for CAMP as a tutor. I recruited him to work with me while he was still taking introductory physics, and he is just now taking his first course in quantum physics. James is majoring in physics and plans to become a patent attorney. Although usually soft-spoken, he is an outspoken advocate of gay rights. James, Juan Carlos and I are writing a scientific paper based on calculations that James carried out on quantum effects in nanoscale devices.

I have been blessed to work with a remarkable group of talented and interesting undergraduates at Boise State. Although long apprenticeships were needed before they could contribute to my research in theoretical physics, each student has persisted and made valuable contributions. My students' personalities, thoughts and opinions have enriched my life, and working with them has amply repaid the time and effort I have invested in them.

Charles Hanna is a Boise State associate professor of physics.



JOHN KELLY

BIOMECHANICS RESEARCH

.....By SHERRY SQUIRES

To be called a colleague while still a student is quite a feat. But what Yvette Barrios (above) has accomplished goes far beyond that, her professors say.

"We have not found anyone else who has been able to isolate the growth plate in a pediatric knee," says Boise State mechanical engineering professor Joe Guarino. "Yvette has made a real contribution to the field. It's remarkable."

A senior mechanical engineering major, Barrios' work will appear in medical and professional journals across the

country.

It began last May when Boise State's mechanical engineering department assisted a local hospital in creating a model of an infant spine to help sur-

geons prepare for a delicate operation. Barrios helped produce a plastic, three-dimensional model with the department's rapid prototyping machine.

The surgery was successful and the project helped set the course for Boise State's continuing biomechanical research.

One night last summer, Barrios was "playing and analyzing" and found a way to direct the machine to separate tissue from bone in a pediatric knee and isolate the growth plate.

Barrios went on to develop software that shows a surgeon exactly

where to drill during a reconstructive knee surgery to remove the smallest amount of tissue, thus affecting growth as little as possible.

Her work earned her an "Innovator of the Year" award from the Better Business Bureau and accolades from professors and medical professionals throughout the community.

For Barrios, the research solidified her plans to work in the field of biomechanics. The three-year starter on the Boise State women's basketball team says she has always loved the competitiveness of basketball and the mental challenges of math. Her field combines the two.

Barrios says she has worked closely with several professors and credits them with giving her the structure she needed to be successful.

"It was the first time academically I had someone really believe in me."



McDonald (right) meets with students to discuss their research

PSYCHOLOGY RESEARCH

.....By KATHLEEN CRAVEN

For Boise State professor Tedd McDonald, learning is doing, so he expects his community psychology students to be involved in the agencies and programs that affect people's lives.

"I've tried to do more to build [research] projects into the curriculum," he says. "Students feel more ownership over a class if they're making a personal

contribution to it."

Community psychology looks at the relationship between community-based programs or agencies and people's mental, emotional and physical health. Rather than use case studies or simulated data, McDonald says, it's more effective to get students out into the community. His students agree.

Deanna Murray participated in a project evaluating Central District Health Department's senior nutrition program. She and four other undergraduate students crafted a survey to gauge seniors' feelings about the quality and quantity of

food as well as their interaction with staff members and their overall quality of life.

"[A lot] can be learned by preparing and collecting original data, but it was also important to see and talk with the very people who were behind the data," says Murray.

Program head Angela Spain says that while the CDHD operates 10 meal-site locations in the valley, the program had not been evaluated since its inception in 1974. "CDHD is dedicated to trying to offer the best possible programs and services to seniors, and conducting this survey in partnership with Boise State has helped us identify areas in which we can improve the quality of our meal program," she says.

But that's not all the survey accomplished. Because students asked questions beyond those dealing with meal services, they uncovered concerns about loneliness, seniors' sense of purpose and the correlation between mental and physical health — issues that so far haven't been studied in-depth in this area.

"I was stunned by what the students asked," McDonald says. "Their findings show there are probably some policy implications here. This could have continued benefits years down the road when they've forgotten about me and the class."

He is planning to take the results, and his students, to the Rocky Mountain Psychological Association conference in April.



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BOISE STATE FOUNDATION RAISES \$191,000 DURING PHONATHON 2002

With the highest number of pledges in six years, the Boise State University Foundation raised more than \$191,000 during Phonathon 2002. More than 3,600 alumni, employees and friends pledged contributions to the annual fund drive. Phonathon 2002 surpassed the 2001 drive by \$23,000.

Due to the hard work of 87 dedicated student callers, the Foundation attempted to reach 40,000 alumni and friends of the university and was able to contact more than 14,000. Over the next few months the Foundation will send notes to all of the alumni and friends who were not reached by phone.

Money raised during the annual fund drive is used to enhance academic scholarships and programs at Boise State. Those who have already contributed should check to see if their employers have a matching gift program.

For more information about donating to the annual fund, contact the Boise State University Foundation at (208) 426-3276.

FOUNDATION HOSTS ANNUAL SCHOLAR/DONOR LUNCHEON

The Boise State University Foundation recently held the annual Scholar/Donor Luncheon. More than 300 people attended, including 123 donors, 157 scholarship recipients and several representatives from Boise State. The Scholar/Donor Luncheon gives donors who have endowed scholarships at Boise State a chance to meet the students who receive them.

This year's student speaker was Kelly Morse, recipient of the Brian J. Bergquist Student Leadership Scholarship.

On behalf of all of the recipients she thanked the donors and expressed gratitude for their scholarships. Speaking on behalf of donors, Jim Davis (BA, political science, '75), said he enjoyed talking with his scholarship recipient and reminded everyone about the importance of scholarships to students.

"This event is a wonderful opportunity for the students to say thank you to the people helping them make it through college," says Brandon Smith, director of annual giving for the Foundation. "Providing scholarships is one of the most important ways to advance academic excellence and assist talented students at Boise State. For many students, a scholarship means the difference between attending on a full- or part-time basis and attaining their career goals."



Donor Notes

Anonymous donors: \$2,000 to Donald M. Day Memorial Scholarship, \$1,000 for OctoberWest, \$1,000 to Political Science/English scholarship, \$1,000 to Arts & Sciences administration, \$1,000 to Gordon C.M. MacGregor Scholarship, \$26,000 for scholarships.

J.A. & Kathryn Albertson Foundation, \$100,628 to the Creating High Performance Schools Initiative.

American Family Insurance Group, \$3,500 to the Martin Luther King Jr. Human Rights Celebration.

Arthur Berry & Co., \$1,000 to OctoberWest.

Dale & Judy Babbitt, \$1,000 to the scholarship in their name.

Dennis & Susan Bassford, \$1,500 to the Management administration account and \$2,000 to the scholarship in their name.

Ron & Mary Belliston, \$1,000 to the Accounting Research Endowment.

Lee Bernasconi, \$1,000 to his family scholarship.

Mike & Pam Bessent, \$3,300 to the Alumni Center Building Fund.

Douglas & Darlene Black, \$1,000 to the Accounting Research Endowment.

Blue Cross of Idaho, \$1,000 to OctoberWest.

Boise Cascade Corp., \$3,000 to the Honors College endowment in its name.

Comer Brown, \$1,000 to Phonathon 2002.

Bruce & Patricia Budge, \$1,500 to the Accounting department administration account.

John B. & Joan H. Carley, \$44,950 to the scholarship in their name.

Tom & Bernice Carlile, \$1,000 for the Business Administration Account.

Lois Chaffee (below, center), \$10,000 for the scholarship in her name.

J. Philip & Beverly Chaney, \$1,000 to the Anna & Blanche Chaney Nursing Scholarship.

Ace H. Chatburn, \$10,000 to the Ethel D. Chatburn Memorial Scholarship.

Jeffrey & Jane Cliff, \$2,000 to the Accounting Research Endowment.

Joan & Thomas J. Cooney, \$2,000 to the John & Ethel Chapman Scholarship.

Cooper Norman & Co. CPAs, \$2,500 to the Accounting Research Endowment.

David & Patricia Cooper, \$1,500 to the Accounting Research Endowment.

Larry & Jill Costello, \$1,000 to the Accounting Research Endowment.

Jim & Arlene Coulson, \$2,000 to the Alumni Center Building Fund.

James & Diane Crawford, \$1,000 to the Accounting Endowed Scholarship.

John & Diane Crim, \$2,000 to the Sharon Crim Nursing Endowed Scholarship.

Norman & Gladys Dahm, \$2,000 to the Engineering Scholarship in their name.

Barbara & Robert Dargatz, \$1,000 to the student teaching scholarship in their name.

Data Cabling Service Inc., \$1,540 to the Hispanic Business Community Scholarship.

Deloitte & Touche Foundation, \$1,300 for the accounting scholarship in its name.

Paul & Ann DeWitt, \$1,000 to the Accounting Research Endowment.

William & Dorothy Dunkley, \$1,000 for the endowment in their name.

Gwen Entorf, \$1,000 to the John Entorf Endowed Scholarship.

Robert V. & Dorothy Estell, \$1,150 to the Treasure Valley Traffic Club-Truck Driving Program and \$1,150 to the athletic scholarship in their name.

Dave & Vicki Ewy, \$3,000 to the Ruth V. Ewy Memorial Scholarship.

J.D. & Kathleen Finley, \$1,000 to the Business administration account.

First Security Foundation, \$10,000 for the scholarship in its name.

Ray & Marybeth Flachbart, \$1,000 to the Education administration account.

Frances Woods Charitable Trust, \$20,980 to the Frances Woods Education Scholarship.

Don & Janie Frederick in memory of Pat Durie, \$1,000 to music scholarships.

Eugene & Jackie Fuller, \$1,000 to the biology endowment in their name.

Anna Graham, \$5,000 for the Graham Endowed Scholarship.

James K. Grant, \$1,000 to the Hartzler-Grant Vocal Music Scholarship.

Joseph C. Guarino, \$1,000 to the General Scholarship Endowed Fund.

Charles & Mary Hallett, \$2,000 to the James Hallett Alumni Accounting Endowed Scholarship and \$3,000 to the Alumni Accounting Endowed Scholarship in their name.

Harris Ranch, \$5,000 to the Idaho Bird Observatory.

Eric P. Hoffman, \$2,500 to the Fritchman Biology Scholarship.

Ernie & Carol Hoidal, \$1,000 to alumni scholarships and \$250 to the Donald Barclay Engineering Scholarship.

Chris & Karen Honcik, \$1,000 for the Physics Department administration account.

Human Resources Association of the Treasure Valley, \$2,000 to the David Isern Memorial and \$2,000 for the Renda Sullivan Memorial.
 Idaho Association for Bilingual Education, \$1,900 for the Bilingual Scholarship.
 Frank & Donna Ilett Jr., \$1,000 to the Accounting Research Endowment.
 William & Christina Ilett, \$1,000 to the Accounting Research Endowment.
 Idaho Stampede, \$1,000 for OctoberWest.
 Jantz Family Foundation, \$2,500 to the Jantz Family Endowment.
 Helen John Foundation at the request of Betsy Twilegar, \$1,000 to the Single Parent Scholarship.
 John Lynn Driscoll Trust, \$6,000 to the John Lynn Driscoll Endowed Scholarship.
 John Schaertl Estate \$105,690 to the scholarship in the family name.
 Key Foundation, \$1,000 to the Gene Harris Music Scholarship.
 Jeanne & J.R. King, \$1,000 to Phonathon 2002.
 Jeff Klaus, \$1,250 to the Klaus/Wright Student Leadership Scholarship and \$1,250 for the Willard Overgaard Political Science Scholarship.
 George & Elvera Klein, \$1,000 for the Frank Church Chair on Public Affairs.
 Laird Norton Family Fund at the request of Tamsin Clapp, \$1,000 to the D.J. Obee Biology Scholarship.
 Langroise Charitable Trust, \$44,462.67 to the William H. Langroise Business Scholarship.
 Carolyn B. Matuseski Trust, \$10,400 to the Nursing Endowment.
 Joseph & Marcie Messmer, \$2,000 to the unrestricted fund.
 Barbara & Roger Michener, \$1,000 to the scholarship in their name.
 Tom & Annie Morgan, \$1,000 to the business endowment in their name.
 William E. & Camille Morris, \$2,000 to the Accounting Research Endowment.
 Frank & Mary Muguira, \$1,000 to the Alumni Center Building Fund.
 John F. Nagel Foundation Inc., \$125,000 for nursing scholarships.
 Rick & Bobbi Jo Navarro, \$2,000 to the Alumni Center Building Fund.

Donald & Doli Obee, \$2,000 to the D.J. Obee Biology Scholarship.
 Patricia K. Ourada, \$1,000 to the history scholarship in her name and \$500 to the Joanne Ourada Bray Art Education Scholarship.
 Richard & Patricia Payne, \$500 for the Geetha Raha Economics Scholarship and \$2,500 to the Ellis Lamborn Economics Scholarship.
 Richard & Elizabeth Reimann, \$1,000 to the Forensics Physics Research Fund.
 Debra Riedel, \$1,900 to the music scholarship in her name and \$500 to the music administration account.
 Richard & Martha Ripple, \$2,000 to the Honors Program Fellowship.
 Karen & Mark Sather, \$1,500 to the Ethel D. Chatburn Memorial Scholarship.
 Steve P. Schmidt, \$1,000 to the scholarship in his name.
 Marcia Sigler, \$1,000 to Phonathon 2002.
 Mark St. Clair & Sharon Jones, \$1,000 to Phonathon 2002.
 Stein Distributing Inc., \$25,000 to the Marching Band Enhancement Fund.
 Ronald & Karen Stratton, \$1,000 to the Accounting Department administration account.
 Patrick J. & Juli Sullivan, \$1,500 for the Alumni Center Building Fund.
 T.F. Dixon Family Foundation, \$3,000 to the scholarship in the family name.
 David & Beverly Taylor, \$2,000 to the scholarship in their name.
 Jose L. & Maria N. Valdez, \$1,540 for the Hispanic Business Community Scholarship.
 The Waldo Trust, \$1,000 to the Idaho Bird Observatory.
 Mark D. Wells, \$1,200 to Phonathon 2002.
 Western Steel Manufacturing Co, \$1,000 to the machine tool technology program.
 Marie White, \$1,000 to the Joseph & Marie White Memorial Scholarship.
 Robert & Sue White, \$1,000 for the Alumni Center Building Fund.
 Kelly & Ron Winans, \$2,000 to the Ron and Ella Mae Winans Endowment.

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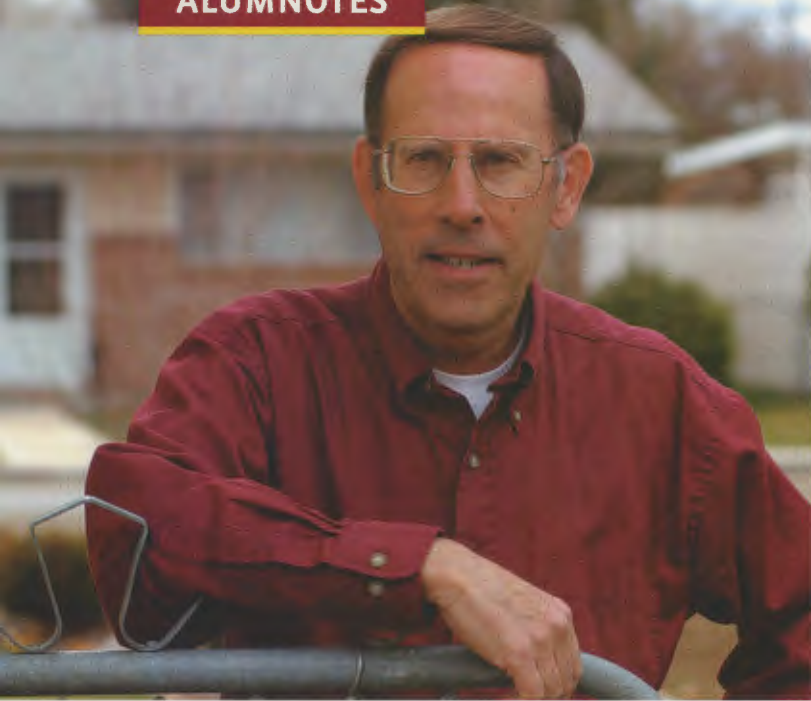
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Naturalist seeks elusive treasure in the ruff

Richard Renstrom's passionate pursuit has carried him over the tops of central Idaho's windswept hills and to the depths of its brushy river bottoms.

The singular object of his chase: the ruffed grouse, a game bird that in central Idaho exists in relative obscurity compared to more fashionable species like chukar, pheasant or quail.

For the better part of 20 years, Renstrom (AA, business, '55) has chased the ruff — sometimes as hunter, but more frequently as a careful observer. Noting everything from the bird's habitat to diet and taxonomy, Renstrom self-published his findings in *Understated Elegance*, hailed by reviewers as a groundbreaking study of the central Idaho ruffs.

His was no leisurely pursuit. Over 14 years of gathering data for the book, Renstrom walked more than 6,000 miles, climbed 300,000 vertical feet and put 50,000 miles on his pickup.

"There is a lot of cross country walking and climbing. The ruff is a brush bird, so you constantly battle thickets. I always come home with some cuts and bruises," he says of his hikes that cover up to 10 miles a day.

Why?

"I just love to observe them. The title of the book is very appropriate. The ruff is a very elegant, very proud bird. When I see a male defending its territory, that will never cease to be a thrill," he says.

Renstrom, who served as Idaho's director of tourism development from 1969-71, decided to leave the office environment in 1972 to become a freelance writer and photographer. He became one of the world's top authorities on motorcycle history, writing 800 articles and five books and photographing 42 magazine covers. But the 70-80 hour

work weeks had taken their toll by 1985.

"I liberated myself and went to the mountains to hunt grouse. I never had time to go back to work after that," he says.

After 10 years he realized he had a treasure trove of material never before collected in Idaho. He was encouraged by biologists to publish his findings, which he says are meant to assist fellow hunters and to lay the groundwork for further studies about the grouse.

Wildlife scientists welcomed the book because virtually all previous research focused on ruffed grouse in states east of the Mississippi River. Renstrom was the first to note that, unlike in those states, the banding on the central Idaho grouses' tail feathers is not a reliable indicator of the bird's sex.

He is careful to point out that the book is not based on academic scientific methods, but rather is a compilation of his own field studies, extensive reading and consultations with wildlife biologists.

The author, whose family includes three children who graduated from Boise State, has donated much of his research material to the special collections department in the Albertsons Library at Boise State, where it is being catalogued for public use and research.

At age 67, Renstrom continues his quest to observe the elusive bird. Last fall he logged more than 400 miles up and down his beloved Idaho hills in search of his feathered friends.

"There is a joy in seeing them every day. I can never get enough of that," he says.

—Larry Burke

As Luck would have it ...

BSC RING COMES FULL CIRCLE

Lucky Peak Reservoir is huge. And deep. So when Boise resident Ollie Smith (AA, business, '62; BA, sociology, '72) lost his Boise State College class ring while water-skiing in the reservoir in 1972, he thought it was gone forever. After all, the ring had descended into at least 60 feet of water and become buried in the mud and muck at the bottom of the lake. Surely it would never be found.

A full 30 years later, Smith got a phone call. The man on the other end of the line was fellow Boisean Dennis Stevens, who informed Smith that his 6-year-old grandson, Micah, had found a BSC ring along Lucky Peak's muddy shore after the lake's water level had receded. The ring was from 1972 and bore the initials "OES."

At the insistence of Micah and after some detective work by Stevens, Oliver Eugene Smith was located. As a result, the ring is back on Smith's finger.

Smith is still amazed by his fortuitous reunion with the lost ring. The band is in extremely good shape, considering its home for the past 30 years, and after being cleaned and polished, it looks nearly new. Smith is also amazed by the kindness of a small boy and his grandfather, who Smith says, "is a very nice person who took so much time away from his busy schedule just to locate me."

—Patri Ann Thompson

Bowl ring fits Valero's game plan

All Art Valero ever wanted was to coach offensive linemen in the National Football League. But when the offer finally came, after two decades of teaching football, he turned it down to coach a position he had never played or coached.

In less than a year, that choice has paid off. The former Boise State offensive lineman and member of the Broncos' 1980 Division 1-AA national championship squad recently earned a Super Bowl ring as the tight ends coach of the Tampa Bay Buccaneers.

"After I talked with [Bucs offensive line coach] Bill Muir and [head coach Jon] Gruden in Tampa, I just felt really comfortable with that situation," says Valero (BS, psychology and sociology, '83). "When I considered all the nuances to the game at this level, I just felt this would be a great learning opportunity."

That opportunity proved to be one of the more challenging of his life. Not only was Valero required to learn a complex offensive system well enough to teach the players, he also had to learn how to coach an unfamiliar position. After Gruden was hired by the Bucs in 2002, his coaching staff began work with exactly five weeks to prepare for the first practices.

"Jon brought in seven offensive coaches, all from philosophically different backgrounds," Valero says. "We had to rally around one another, really support one another, to get this work done in time. It took some adjustment, some refocusing of 22 years of coaching."

Although his job with the Bucs is his first full-time NFL coaching position, Valero was no rookie when it came to the frantic pace of professional football. As a three-time recipient in the NFL's Minority Coaching Fellowship Program, he worked for Marty Schottenheimer with the Kansas City Chiefs, Bill Parcells with

the New York Jets and Marv Levy with the Buffalo Bills.

The fellowship program was established to provide minority coaches with opportunities to work with NFL teams for six weeks during summer training camps.

"The fellowship gave me the opportunity to learn from some of the best coaches the league has ever seen," says Valero, who is Mexican-American. "You can't put a price tag on that type of experience. With each new team, I learned to be more creative, to work hard to keep from getting stale in my ideas about the game. Every guy I played for or coached with opened my mind a little more."

The desire to become a football teacher began at Boise State. Former Bronco coach Jim Criner gave Valero his first assistant coaching position right after his senior season. Valero worked with Criner for three years — two at Boise State and one at Iowa State.

"Coach Criner was my first true coaching mentor," he says. "He was so driven, so disciplined. He helped me understand the value of persistence, and he really strengthened my technical knowledge of the game."

Valero built on that foundation through a series of coaching stints from 1984-97 that landed him at universities in California, New Mexico, Idaho and Utah. When he was hired by the Bucs, he was serving as the offensive line coach and assistant head coach at the University of Louisville, a tenure that included four bowl games and two Conference-USA championships.

Still, he's seen all the hills and val-



leys of the football business, and he says he's been able to ride them out because his wife, Terry, has always been there to prod him along.

"She's been my harshest critic and my biggest fan," says Valero of his wife, who he met when they were both students at Boise State. "There were times when I thought this was over for me, but she kept me going, pushed me forward."

And now, Valero has the Super Bowl ring he and Terry can share with their children Kimberly and Kyle.

"I'm having the time of my life right now," says Valero. "One of the best things about it is that I've been able to reconnect with some people I'd lost touch with. Every single person I've met, every coach, teacher, professor, they all had a part in this. I certainly wouldn't have been there without them, and I hope they've been able to share in this with me."

—Justin Endow

Our policy is to print as much "In Touch" information as possible. Send your letters to the Boise State Alumni Association, 1910 University Drive, Boise, ID 83725, or send e-mail to bevanch@boisestate.edu. In addition, if you know someone who would make a good feature story in our "Alumnotes" section, contact the office of News Services at the same address.

50s

VERLANA RAE (RICHARDSON) ORR, AA, general arts and sciences, '54, recently had her poems published in the *Charleston Review* and *Alliance*. Orr resides in Portland, Ore.

WILL R. 'BILL' LONG, AA, general arts and sciences, '56, retired from education and became a realtor for The Village Co. in Boise.

THOMAS W. SWITZER, AA, general arts and sciences, '57, is chairman of the airport commission for the Grant County Regional Airport. Switzer resides in Canyon City, Ore.

60s

SUSAN (MIKOLASEK) BRENNAN, BA, general business, '67, is co-owner of Benchmark Construction, along with her husband, Burt Brennan. They have owned the Nampa-based business since 1995. She is a past president of the National Association of Women in Construction's Boise chapter.

JOHN D. SCHOLL, AA, general arts and sciences, '62, is a retired peace officer. He now works as a private investigator, volunteer firefighter, emergency medical technician, and U.S. Track and Field official. He resides in Redding, Calif.

DAVID C. RUNNER, BA, music, '69, is a professor of music at Millican College in Tennessee. He recently played an organ recital at the United States' Spoleto Festival in Charleston, S.C.

70s

D. LAJEAN HUMPHRIES, BA, history, '70, is a contributing author to the article, "Web of Deception—Misinformation on the Internet," published by Information Today. She resides in Portland, Ore.

JOANN (LAUGHRIDGE) MYCHALS, BBA, business education, '70, retired in 2001 after four years as assistant executive director of the Washington Association of School Administrators. Previously, she served 25 years as a teacher, principal, administrator and assistant superintendent in Washington. She resides in Arizona.

SANDRA KAYE (HIGHT) HANEY, BS, physical education, '71, won second place in women's tennis singles, 50-54 age group, during the Texas Senior Games. Haney is employed by Hunt Oil Co. in Dallas.

FRANCIS J. HESS, BBA, accounting, '72, is an agent with Realty Executives of the Treasure Valley. Hess brings 30 years of combined real estate marketing and management experience in the Treasure Valley to his new position.

DANNETTE J. BLAKESLEE, MA, elementary education, '74, has joined the Lee Pesky Learning Center as a training specialist. She is a reading specialist and has conducted Mathematics Their Way workshops throughout the United States.

MELVA L. (McDOUGAL) RAND, AS, nursing, '74, has been promoted to site coordinator for the Pacific Cataract and Laser Institute in Spokane, Wash.

MILTON J. SMITH, BA, communication, '75, just completed a year as chairman of the Association for Healthcare Philanthropy. Smith is president of the John Muir Medical Center Foundation. He and his wife, **CAROLYN (DINSMORE) SMITH, AS**, nursing, '73, reside in Walnut Creek, Calif.

DAN R. MAHONEY, BA, criminal justice administration,

'75, recently retired after 30 years with the Idaho Department of Corrections. He resides in Kuna.

THELMA IRENE CAMERON, BM, music, '77, was recently inducted into the Idaho 4-H Hall of Fame. Cameron has been a 4-H leader in Blaine County for 15 years. She taught school in the Wood River Valley, and currently gives music lessons.

CAROLYN KITSON, MA, education/reading, '77 has joined the staff of the Lee Pesky Learning Center. Kitson's background includes teaching second grade for 10 years. She resides in Boise.

LAURA M. (DORIUS) PATTERSON, BA, elementary education, '77, has taken a one-year sabbatical to develop a forest fire remediation curriculum. Patterson is a sixth-grade teacher for Los Alamos Public Schools.

DAVID PINKSTON, BA, criminal justice administration, '77, recently retired after 29 years with the Idaho Department of Corrections. He is now a licensed real estate broker for Coldwell Banker Aspen Realty and resides in Boise.

THOMAS V. MUNSON, BS, political science, '78, is a senior associate with Penland Munther Goodrum, Chartered in Boise. Munson's practice focuses on civil litigation and workers' compensation law. Munson earned his law degree at University of Idaho.

JEFFREY L. NELSON, BS, radiologic technology, '78, recently purchased and remodeled a building in historic downtown Hillsboro, Ore., where he now operates Le'Stuff Antique Mall. Nelson resides in Tigard, Ore.

LINDA K. SELVIG, BS, physical education, '78, has been awarded an Albert Einstein Distinguished Educator

ources & Conservation Committee
State Affairs Committee
Transportation & Defense Committee

CARRIE QUINNEY

Rep faces tough choices

It's early March and Tim Ridinger (BBA, management, '79) is right where he wants to be — at the center of Idaho's heated debate on a sales tax increase.

Ridinger, in his fifth term as a state representative from District 25, is a member of the Revenue and Taxation Committee, the focal point of all tax bills that come before the Legislature.

"We have to make some hard decisions, both as individuals and as a committee," Ridinger says. "I hear about the sales tax issue every day from everywhere."

Those kinds of tough decisions compelled Ridinger to run for office in the first place.

"Like most legislators, I want to have input on state policy that will make us better in the future. I like

really getting into the nuts and bolts of an issue and setting policy that has a long-term effect," he says.

Ridinger, who runs a small farm and a hay brokerage/trucking business near Shoshone, came to the Legislature with a long resume as a public official. He served on the Shoshone city council and was the town's mayor for 12 years.

Ridinger says he also enjoys serving as vice chair of the Transportation and Defense Committee because he can provide local government and business perspectives to issues that come before the committee.

For the past five elections Ridinger has been the only Republican legislator elected in one of the state's most Democratic districts. His constituents run the gamut from super-rich Sun Valley trophy homeowners to struggling family farmers and migrant workers.

Balancing the diverse needs of those constituents isn't always easy. "It sometimes can be difficult. But our district is united on one thing: a desire for good schools. My constituents place a high priority on education and so do I," he says.

— Larry Burke

Fellowship for the 2002–2003 school year. Selvig, an earth science teacher at Centennial High in the Meridian District, will conduct research at the headquarters of the National Institute of Standards and Technology in Gaithersburg, Md.

ALLAN R. WHITTEKIEND, BA, communication/secondary education, '78, is the new counselor at Filer High School. Whittekiend earned his master's in guidance and counseling at College of Idaho. Whittekiend most recently was principal at Stephenson Junior High School in Mountain Home.

MICHAEL R. BANNING, BA, criminal justice administration, '79, recently returned from serving with the U.S. Air Force at Prince Sultan Air Base in Saudi Arabia. Now a reservist with the 83rd Aerial Port Squadron, he owns and operates Cheers NW restaurant and lounge in Portland, Ore.

LARRY J. DRESSER, MBA, '79, recently became construction manager for the Decommissioning and Decontamination Project Office for Washington Group International at Los Alamos National Laboratory, New Mexico.

KATHY MATTHEWS HAMMERS, MA, education, '79, is a first-grade teacher at Collister Elementary in the Boise District. Hammers' awards include the Red Apple teaching award and the kindness and justice challenge award.

HUGH D. LARKIN II, BS, geology, '79, recently completed his master's degree in environmental management

at Arizona State, and wrote a thesis on environmental management of groundwater contamination. He resides in Phoenix.

80s

BRIAN L. COMPTON, BS, physical education, '81, is a substitute teacher for Weiser School District and a retired Boise firefighter.

KENNETH JOSEPH STARK, BBA, finance, '81, was named to the Washoe Professional Center Board of Directors for 2002–2003. Stark is employed by Hale Day Gallagher Co. in Reno, Nev.

JOHN D. WATTS, MPA, '81, was named to the Idaho Fish and Game Commission. Watts, a partner in Veritas Advisors, has worked as a lobbyist for various wildlife preservation organizations. He lives in Boise.

WILLIAM G. 'BILL' EISINGER, MBA, '83, has been appointed to the board of directors for the Tele-metric Corp. He is vice president of the transmission and distribution division of Power Engineers. Prior, he worked for Idaho Power and Pacific Gas and Electric. He lives in Boise.

COLLEEN HARTNETT, BBA, management/aviation, '83, has been named manager of the Nampa airport. She previously was an assistant to the airport manager and also had worked part-time for the city's vehicle maintenance department.

Woodby moves up the ranks

When Donna Woodby (BA, elementary education, '84) was a senior at Boise's Capital High School in 1978, she faced a problem that was not unique to many people her age: how to pay for college.

Her parents didn't have the money to send her, and scholarship and grant offers were not pouring in. So in 1978, Woodby (below), formerly Donna Poches, joined the Idaho Army National Guard. While the military seemed intriguing to Woodby, she admits her primary reason for enlisting was to receive financial assistance.

What started as a means to an education became a successful career.

Now, nearly 25 years after she first enlisted, the Nampa resident was recently promoted from lieutenant colonel to full colonel, making her the highest-ranking woman in the Idaho National Guard.

"For me, this is just doing my job," says Woodby, 43, of her groundbreaking accomplishment. "I don't think too much about it."

But she had plenty on her mind back in 1978, and so did her parents. Woodby's father, Ron Poches, had misgivings about her decision to enlist because he thought she might get sidetracked and forgo her plans to pursue a college degree. As it turned out, Woodby was able to do both.

Boot camp was intimidating for Woodby, but she eventually began to enjoy the challenges and was attracted to the opportunities the military provided. After basic and secondary training, Woodby returned home and enrolled at Boise State. She continued to serve in the National Guard while attending college and entered the university's ROTC program, which allowed her to move up the ranks and eventually become an officer.

After she earned her degree, Woodby served on active duty in the Army for three years, then returned to the Guard. The time Woodby has spent in the service has opened many doors. She has visited 49 of the 50 states and has been "all over Europe" as well as Japan.

Woodby currently serves as commander of the 204th Regional Training Institute, a post that she describes as equivalent to that of a school district superintendent. The three schools under her command provide classes that range from mechanics to leadership skills and have participants from all the military branches.

With plans to retire from the Guard in about three years, Woodby would like to teach after her military career ends. Her husband, Terry Woodby, retired from the service in 1997.

It has been a career that has brought a great deal of joy and satisfaction not only to Woodby, but also to one of her biggest supporters.

When asked what her dad thinks now, she says, "He's bursting his buttons. He's pretty darn proud."

—Patri Ann Thompson



JENNIFER WILLIAMS, (MA, secondary education/art emphasis, '78) was named the 2002 Idaho Teacher of the Year by the Idaho Department of Education and Scholastic Inc.

An adjunct professor at Boise State, she is also an art teacher at Skyview High in Nampa. For nearly 30 years she has organized Project Van Go, a program that brings art to students in rural communities where opportunities are limited.



Auction set for May 3

Preparations for Boise State Auction 2003 are under way, and supporters of the university are encouraged to reserve May 3 on their calendar. The biennial social event is sponsored by the Boise State Alumni Association and the Bronco Athletic Association. Festivities

will include a silent auction, live auction and dinner at Boise Centre on the Grove. The 2003 event will mark the 11th Boise State University Auction. The first 10 auctions have raised \$2.3 million.

Boise State alumnus and Micron Technology CEO Steve Appleton (left) and his wife, Dalynn, will be honored at the auction. Appleton was a member of the Bronco tennis team from 1979-82. Known for his generosity to his alma mater, he most recently

donated almost \$2 million to the university to build the Appleton Tennis Complex, a six-court outdoor facility that opened last May.

Alumni, boosters, businesses and individuals may donate items, cash and/or services to the auction. The Alumni Association has identified new freshman scholarships and capital improvements to the Alumni Center as the beneficiaries of its 2003 proceeds. The Bronco Athletic Association will utilize all of its funds for the Athletic Scholarship Endowment Fund.

The Auction 2003 Executive Committee is comprised of members of the Boise State Alumni Association and the Bronco Athletic Association. Executive

Committee members are Mary Abercrombie, Susan Bakes, Diana Ballenger, Jeff Beem, Sheryl Bishop, Deborah Brown, Kathy Haumann, Jeanne Lundell, Dave McLenna, Amy Miller, Vida Ober, Susie Schumacher, Mike Simplot, Casandra Sipes, Peggy Street and Tim Tyree.

For more information, to make a donation, volunteer to help or reserve tickets to the auction, contact Valerie Tichenor, auction coordinator at (208) 426-2570 or e-mail her at vtichen@boisestate.edu.

Top right, Slides and Stuff, Backyard Adventures and the J.R. Simplot Co. sponsored the Turbo Toms Treehouse. L-R, Adelia Simplot representing the J.R. Simplot Co. and Earl Grief from Slides and Stuff, Backyard Adventures.

Above, Coble Co. and Patsy and Rich Fedrizzi sponsored the donation of a grandfather clock. L-R, Valerie Tichenor, auction coordinator, Patsy Fedrizzi and Tammy Black from Coble Co.

Left, Larry Chetwood and Meridian Ford Sales sponsored the donation of a one-year lease on a 2002 Ford Mustang convertible.



PAULINE E. FISHER, BBA, business education, '83, has been promoted to Tech Prep coordinator/ grants manager for Great Basin College in Elko, Nev. Fisher lives in Spring Creek, Nev.

CHARLES F. NISSEN-MILLER, BA, art, '83, is a production scheduler for International Game Technology in Reno, Nev.

STUART N. SUMMERS, BBA, management, '83, has been promoted to director of national accounts with Coca-Cola Co. Summers resides in Minneapolis.

ROY E. ELSNER, AS, radiologic technology, '84, is a pharmacist and pharmacy manager for K-Mart Pharmacy in Elko, Nev. Elsner is a president-elect for Rotary International, president of the Pacific Northwest Corriente Association, and a board member for the Committee Against Domestic Violence.

FRANK S. FINLAYSON, BBA, finance, '84, has been promoted to senior vice president of project development for Washington Group International. He is responsible for projects in which the company provides equity or development and financial arrangement services. Finlayson has been with WGI for 18 years.

STEVEN ALEXANDER SLAUGHTER, BM, music/performance, '84, is a music minister in Albuquerque, N.M. Slaughter earned a master of church music degree from Southern Baptist Theological Seminary in 1999.

ALICE J. RUPE, BBA, computer information systems, '84, is manager of global intranet programs for Hewlett-Packard, where she has worked for 18 years. Rupe is active in the Central Idaho chapter of the Association of Information Technology Professionals, a member of Boise State's CIS advisory board and a community volunteer.

KELLY DEE COLES, BA, communication, '85, publisher

of Boise-based Go! Publications Inc., received a contract to publish a 30-year commemorative coffee table book for SkyWest Airlines highlighting three decades of the airline's achievement and progress.

CRAIG ALAN KUNESH, MBA, '85/BS, geology, '82, is employed by the city of Los Angeles as an engineering geologist. Kunesh recently earned designation as a registered geologist and a certified engineering geologist from California Board for Geologists and Geophysicists.

JENNIFER ANN JUSTICE, BA, history, '86, is a development officer for Discovery Center of Idaho. With more than 20 years' experience in financial development, she previously worked for various non-profit organizations including Boise Art Museum and Pacific Arts Center in Seattle.

JAMES L. MARTIN, BS, criminal justice administration, '87, was recently elected to the board of directors for Moffatt, Thomas, a Boise law firm.

JERRY D. WILHITE, BA, art, '87, was recently commissioned to refurbish a historical marker for the city of Glenns Ferry. Wilhite retired from teaching last year after eight years with the Glenns Ferry district.

JENNIFER ANN 'JENNIE' FORBERG, BA, English, '88 recently completed training to become a certified Idaho workers' compensation specialist. Forberg is a paralegal with Penland Munther Goodrum Chartered in Boise. Forberg also holds a master's of Biblical studies from the Cole Center for Biblical Studies.

S. JENNE' JOHNSON, AS, marketing, '88, and her husband, **PHILIP R. JOHNSON,** BBA, accounting, '90, recently bought three Hallmark stores in the Boise area. Philip is general manager and Jenne' is president of Jordan's Hallmark and Jordan's Cards and Gifts, LLC.



GAY H. POOL, BA, music, '88, is president-elect of the Idaho Music Teachers Association. Pool lives in Boise and is director of Idaho Music Institute.

WESLEY STANTON JONES, BBA, general business, '89, is employed by the Idaho Department of Agriculture. A former communication and policy assistant for the department, he recently assumed responsibility as an agricultural investigator for the department's bonded warehouse program.

TIMOTHY EDWARD MOSGROVE, BFA, art, '89, has opened Mosgrove Gallery, a pottery gallery and studio in Coeur d'Alene. Mosgrove recently received the Coeur d'Alene mayor's award for excellence in the arts.

90s

ROBIN LYN BIRD, BS, premed, '91, is a physician for a Marine squadron at Miramar Marine Corps Air Station in California. Bird resides in Imperial Beach, Calif.

MICHAEL NORMAN JEROME, BFA, advertising design, '91, founded two new companies in 2002: J&J Enterprise, and Enviroscapes Design and Consulting. He lives in Meridian.

KIRT WAYNE BRAUN, BS, biology, '92, received his Ph.D. in genetics and cell biology from Washington State University in 2000 and is now employed as a scientist at Miltenyi Biotec in Auburn, Calif.

MONICA KIP HAWS, AS, nursing, '93, has been appointed executive director of Life Care Center of Boise, a 148-bed nursing facility operated by Life Care Centers of America. Previously director of nursing, she has been with Life Care since 1993.

GET INVOLVED!

The Boise State Alumni Association annual meeting is May 7. See details, Page 43.

KARAN E. TUCKER, BBA, accounting, '93, was recently promoted to the position of chief financial officer for Mountain States Group in Boise.

BOYD LYNN MOSER, TC, water/wastewater environmental technology, '93/BA, history/secondary education, '88, has been elected to a one-year term as president of the Pacific Northwest Clean Water Association. Moser is general manager of the Eagle Sewer District. He holds an MPA from the University of Oklahoma.

JOHN P. BIETER, JR., MA, history, '94, recently presented "Aukera: A History of the Basques in Idaho" in Hailey in conjunction with the Trailing of the Sheep Festival in the Wood River Valley. Bieter is fluent in the Basque language. He has served as the director of a Basque government historical research grant and an Idaho Humanities Council grant. He is a former director of the Oinkari Basque Dancers.

VALERIE NICOLE CHARLES, BBA, management/human resource, '93, is vice president and general counsel for S.B. Cantor and Co. in Edgewater, N.J. Charles resides in Jersey City.

ROB J. FRIESEN, BS, physical education, '94, is employed as an account manager with Northwest Networks in Boise. Friesen has seven years of sales experience in the telecommunication industry.

NICHOEL BAIRD SPENCER, BS, political science, '95, has received certification from the American Institute of Certified Planners. Spencer earned her master's in city and regional planning at Ohio State in 1998. She works as a long-range planner for Ada County.

JOEL K. WALLACE, TC, culinary arts, '95, is retired and volunteers five days a week at the west Boise YMCA's child development

TOP FIVE REASONS to Join the Boise State Alumni Association

**BOISE STATE
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5. You can shape up

Alumni may purchase a membership to the new Campus Recreation Center. Whether its weight training, aerobics, kickboxing or yoga, this cutting-edge facility has everything you need to get in shape.



4. Or ship out

The Alumni Association is organizing dynamic new travel packages to away Bronco Football games. You can support Boise State while visiting beautiful cities in California, Oregon, Utah, and Hawaii.



3. Support future alumni

Alumni memberships provide thousands of dollars a year for student scholarships and also fund important student groups on campus, like the Student Alumni Association.



2. Reconnect with current alumni

The Alumni Association is developing a national chapter network so Boise State alumni in other cities and states can stay connected to each other and their university.



1. Build Bronco Pride!

The Alumni Association helps build alumni pride, spirit, and loyalty for Boise State.

Join today and help support your university!

2003 Boise State Alumni Membership Invitation

Yes! I would like to join the Boise State Alumni Association!

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Address _____

City _____ State _____ Zip _____

Phone () _____ email _____

Social Security # _____

Spouse _____ Class Year _____

Social Security # _____

	Individual	Couple
Annual Membership	<input type="radio"/> \$35.00	<input type="radio"/> \$50.00
Lifetime Membership	<input type="radio"/> \$350.00	<input type="radio"/> \$500.00
Life Membership (4 annual payments)	<input type="radio"/> \$87.50	<input type="radio"/> \$125.00

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Or go to <http://alumni.boisestate.edu> and join today!



PLAN NOW FOR FOOTBALL TRAVEL

Now is the time to plan your travel with the Alumni Association for the fall 2003 Bronco football season. Travel packages and BroncoBash tailgate parties are set for games at BYU, Idaho, Hawaii and Oregon State. Above, cheerleaders entertain Bronco fans during the Alumni Association pregame party Nov. 23 in Reno, Nev.

For details about travel packages, call the Alumni Association or Carmen at Global Travel, (208) 387-1133.



TREE-MENDOUS ENTRY TAKES FIRST

For the second straight year a Christmas tree decorated by the Alumni Association took first place in its category at Boise's Festival of Trees.

The tree, titled

"Christmas at the Bronco Corral," was a tribute to the children and grandchildren of Boise State alumni and received the event's highest bid during the showcase auction. The event is an annual fund-raiser for St. Alphonsus Regional Medical Center.

H-BOWL FANS BRAVE WET, COLD

Braving Boise's cold and wet New Year's Eve weather, alumni gathered under the big top at the Alumni Center for a pregame pancake feed and BroncoBash

party before the Humanitarian Bowl. Dues-paying members of the Alumni Association were treated to free pancakes.

Meanwhile, the Broncos treated a nationwide audience to a dominating H-Bowl performance as they defeated Iowa State 34-16.



center. In the past few years he has received several awards including one for his service to youth, the Rotarian Award for Outstanding Community Service, and appeared in a YMCA United Way film.

JENNY LEE CRANE

RIDINGER, BS, political science, '96, has joined Hall, Farley, Oberrecht & Blanton P.A. as an associate. While at Boise State, Ridinger served an internship with the Joint Finance and Appropriations Committee of the Idaho State Legislature. She graduated from University of Idaho law school in 2002.

JASON ELLSWORTH, BBA, international business, '96, is the product line manager of projection components for Dow Inc. Ellsworth earned his MBA from Harvard Business School in 2001. He resides in Corning, N.Y.

JOSHUA JAMES CORY, BBA, production and operations management, '97, is a procurement specialist for Hewlett-Packard Co. He earned his MBA from University of Phoenix-Online in 2001. He is a member of the Operations Management and Industry Council. He was a Top Ten Scholar at Boise State.

MATTHEW J. RYDEN, MBA, '97, recently joined the firm of Hall, Farley, Oberrecht & Blanton as an associate. Ryden attended law school at University of Idaho, graduating in 2002.

JOSEPH ANTHONY STEWART, BA, finance, '97, recently graduated from the Army ROTC program at Fort Lewis, Wash.

JARED MERLIN ANDREWS, BS, biology, '98, recently graduated from the Uniformed Services University of the Health Sciences in Bethesda, Md. Andrews received a medical degree, was commissioned to the rank of captain and has started a five-year pathology residency program at Fort Lewis in Tacoma, Wash.

JUSTIN ANDREW PARKER, BBA, marketing, '98, has been promoted to the position of group asset manager for Sears Credit in Boise. Parker will oversee

five team managers whose associates handle the collection of low-delinquency Sears accounts.

BRANDON CORDELL FONESBECK, BBA, general business management, '99, is a construction manager for CH2M-Hill in Boise.

SUZANNE MARIE (MAY) KIMBALL, BBA, general business, '99, is a campaign associate for United Way of Treasure Valley. She recently joined the Idaho Army National Guard. She lives in Emmett.

JANICE W. NELSON, BS, nursing, '99, recently completed her MSN in nursing/family nurse practitioner from Gonzaga University in Spokane, Wash. She is employed as an RN at Idaho Cardiology Associates in Boise.

00s

DENNIS LEE BUETTNER, BBA, finance, '00, was appointed a senior paraplanner for the Twin Falls office of American Express Financial Advisors. Buettner is an ambassador with the Twin Falls Area Chamber of Commerce.

Artwork by **DAVID A. FACKRELL**, BFA, illustration, '00 was part of the Boise State Alumni Juried Art Exhibit last fall. Fackrell resides in Mountain Home.

ALBERTO JULIAN OVIEDO, JR., BBA, management, '00, has been a budget analyst for the Idaho Army National Guard for three

years. He is now working on an accounting degree. He lives in Nampa.

JUNE ELIZABETH RAMSDELL, BS, environmental health, '00, was promoted to the position of air quality project manager for the Community Planning Association of Southwest Idaho. She previously held positions as an air quality analyst, environmental health specialist and a military weather forecaster.

KRISTINE ANN SLOTTEN, BBA, accounting, '00, recently passed the Certified Public Accounting exam. She is employed by Cooper Norman in Twin Falls and specializes in employee benefits.

DIANE R. (REA) WALKER, MS, management information systems, '00, is a systems analyst for Intermountain Gas Co. in Boise. Walker co-authored a chapter in an MIS textbook and journal paper and is founding president of the Opera Idaho Studio and a volunteer for Calvary Chapel.

RHONDA GAIL FRAZIER, BA, elementary education, '01, is a kindergarten teacher at Pioneer Elementary in Weiser. She previously taught second grade in a different district.

ARTHUR ANDREW GREGORY, BA, communication, '01, is corporate marketing and communications director for Zamzows, Inc. Gregory first attended Boise State College in the

HOMECOMING 2003

"Orange You Proud to Be a Bronco"

Mark your calendars now for Homecoming.

A weeklong schedule of activities will be highlighted by the annual parade and downtown festival the evening of Oct. 10; and a pregame BroncoBash/chili feed followed by the Tulsa vs. Boise State football game Oct. 11. A Golden Graduates reunion during Homecoming will honor the **Boise Junior College Class of '53**.

For reunion details, contact Christine Lukas at (208) 426-1284 or clukas@boisestate.edu.

early 1970s, returning after a 26-year absence to complete his bachelor's. He is now pursuing a master's degree.

CLINT HORDEMAN, BBA, general business management, '01, is an account executive for the Idaho Stampede. The former Boise State basketball player is responsible for selling season and group tickets, game-day suites and corporate sponsorships.

CHRISTINE LOUISE LUKAS, BA, communication, '01, recently joined the Boise State Alumni Association as director of membership. Previously, she was a senior account executive for Harlan Campbell Communications, an advertising firm in Boise.

RALPH RAYMOND TEETER, BAS, vocational/technical, '01, graduated from the Air National Guard Academy of Military Science at McGhee Tyson Air National Guard Base in Knoxville, Tenn. A second lieutenant, he is a budget officer for the 124th Airlift Wing at Gowen Field, Boise.

DOUGLAS C. WERNER, BSC, civil engineering, '01, has been promoted to captain in the Idaho Air National Guard and is participating in undergraduate navigator training for the C-130 Hercules.

BRIAN H. WINTERS, BS, computer science, '01, is a youth asset builder with AmeriCorps. Winters' duties include developing ideas for volunteer projects, such as after-school programs for kids.

DEBORAH R. GLASER, Ed.D., education/curriculum and instruction, '02, is director of training and consultation at the Lee Pesky Learning Center. Her background includes 25 years of experience in managing the Pesky Center's education department.

THADDEUS SCOTT MASON, BSE, electrical engineering, '02, has joined Synergy Engineering as an electrical engineer in training. He was previously employed at SCP Global Technologies.

MACKAY COATES WRIGLEY, MBA, '02/BA, economics, '00, is a loan officer for Wells Fargo in Boise. Wrigley will specialize in Idaho residential construction. He joined the bank in 1998 and worked in the auto finance area before joining residential construction in 2000 as a financial analyst.

WEDDINGS

COLLIN D. SHARP and Elizabeth Fowble (Boise) May 4.

ROSS SCHELLHAAS and **KRISTINE CASEY** (Boise) May 25.

CHRISTINE M. BECHEN and Wade R. Keller (Eagle) June 8.

ALEX PATRICK EBRIGHT and **STEPHANIE THERESA DECKER** (Boise) June 15.

JESSICA FAYE MANZER and Shaun Jensen (Boise) June 15.

ELIZABETH CHAMBERS and Vincent Martinez (Kootenai) June 15.

CHRISTOPHER J. ZIMMER and Shelley Denise Kephart (Boise) June 15.

ROBERT BRADFORD CLARK and Tami Steinbroner (Boise) June 21.

SEAN S. MORRIS and Katharina Ranae Edmondson (Caldwell) June 28.

LAURA KRISTINE SCHUTTE and Noel Boismenu (Nampa) June 29.

SCOTT PHILLIPS and Eleanor Stange (Las Vegas) June 29.

KARA LYNN PHILLIPS and James M. Skaggs (Boise) July 6.

CHAD BJORKLUND and **NICOLE VAN DINTER** (Caldwell) July 19.

BRADLEY JAMES LYONS and Sondae Lynn Mitchell (Buffalo, N.Y.) July 12.

RAYLENE GAYLE DODSON and Gregory Beirne (Big Bear, Calif.) July 13.

BRANDON ALEXANDER WOOD and **BRANDY DAWN HICKS** (Boise) Aug. 3.

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ROBERT D. PERKINS and
Leslie A. Eason (Boise)
Aug. 3.

**CANDICE LOUISE HART-CAR-
LEY** and Stephen John Bull
(Emmett) Aug. 10.

MICHAEL S. GORDON and
DANIYEL R. JOHN (Boise)
Aug. 19.

LISA MARIE VAN DE GRAFF
and Blas Uberuaga (Boise)
Sept. 14.

JERRY M. GOLSE and Kayla
Jones (Honolulu) Sept. 16.

DEATHS

HARRY J. BORUP, AA, gener-
al arts and sciences, '42,
died July 13 in Las Vegas.
He was 81. Borup served in
India during WWII and
then returned to Idaho and
worked for the Boise
National Forest while fin-
ishing school. In Nevada,
he worked as a soils scien-
tist, retiring in Las Vegas in
1982. Borup retired from
the U.S. Army Corps of
Engineers as a reserve lieut-
enant colonel.

**NATALIE EVAJEAN (WEST)
BRINER**, AS, health infor-
mation technology, '96,
died Nov. 30 after a battle
with cancer. She was 48.
Briner graduated from
Meridian High in 1972 and
continued her education at
Link's School of Business
in Boise. A single mother,
she provided for her family
as a secretary and put her-
self through night school at
Boise State. She most
recently worked at Pacific
Cataract and Laser Institute.

NEAL ATLEE BROYLES, AS,
general arts and sciences,
'64, died Sept. 29 at age 87.
Broyles was a Boise police
officer for 30 years, retiring
in 1971 as a captain. He
served in the U.S. Army
during World War II and
was company commander
at several German and
Prisoner of War Camps in
the U.S. until he was sta-
tioned in the Philippines at
a Japanese POW Camp. He
remained active in the
Army Reserves for 26
years.

CLYDE DICKEY, 51, died Jan.
30 in Fort Wayne, Ind. In
the '70s Dickey played bas-
ketball at Boise State. He
later played in the ABA.

CORABELLE GEDNEY, diplo-
ma, general arts and sci-
ences, '45, died Dec. 30. She
was 77. Gedney graduated
from Mountain Home
High. She started her own
business, Gedney
Secretarial Service, which
she operated until retiring
in 1995. She was a 50-year
member of Order of the
Eastern Star.

JUDY (AFFLECK) GLEASON,
BA, Spanish, '71, died Nov.
23 in Boise after a short
battle with pancreatic can-
cer. She was 60. After her
BJC graduation, Gleason
continued her education at
Utah State. She worked sev-
eral years for the Idaho
Department of Employ-
ment and later became a
certified nurses assistant.

ARNOLD BERNARD GOOD, 87,
died Jan. 20 in Boise. He
was a charter member of
the Friends of Nursing, a
community group dedicated
to supporting nursing edu-
cation at Boise State
University. For 20 years, he
raised funds for the
Kathleen Good Memorial
Scholarship for nursing stu-
dents. Born in New
Plymouth, he enlisted in the
U.S. Navy in 1933, serving
on the USS Salt Lake City
until 1937. He reenlisted in
1942 and served until his
honorable discharge in
1945. He was a member of
St. Mary's parish and of Blue
Goose Inter-national Idaho,
and an honorary lifetime
member of the Knights of
Columbus.

BETTY FEENEY GRIFFIN, AA,
general arts and sciences,
'46, died Jan. 12 in Boise.
She was 76. For many years
she operated Betty Feeney's
Decorator Shop in Boise, a
business that eventually
included four Annex stores
and the Lamphshade Shop.
Griffin eventually built
the Annex locations into
Betty Feeney's gourmet
cookware stores. An active
community member, Griffin
had been involved with the
Boise Chamber of
Commerce.

**DENISE A. (TOWNSEND)
GUMMERSALL**, CC, dental
assisting, '82, died in Boise
Aug. 22 from multiple scler-
osis. She was 44.
Gummersall graduated
from Kuna High in 1979,
where she was active in
FFA. She joined the Idaho

Alumni Association Calendar of Events

April

3 — Alumni reception at Gene Harris Jazz Festival Club Night, Grove Hotel. 5-10 p.m.

23 — Distinguished Alumni Awards and Top Ten Scholars banquet, Student Union. 6:30 p.m.

May

3 — Auction '03. See details, Page 38.

7 — Association annual meeting, Student Union. Noon. Election of officers and directors. Reservations: \$10; includes lunch. Call (208) 426-1959.

16 — Spring Graduation Celebration, Student Union parking lot. Noon-2 p.m.

Air National Guard in 1979 and served as an intelligence analyst for the 190th Tactical Reconnaissance Squadron for four years.

INEZ GLASGOW HENDRYX, 95, died Dec. 18 in Boise. In 1985, she established a scholarship fund at Boise State for business students and later established a nursing scholarship. After graduating from Buhl High in 1923 she worked as a telegraph operator at Western Union. She married Odus Glasgow in 1925, and made many contributions in his name following his death in 1978. She later married James Hendryx. She was also involved with several local civic organizations.

FRED RAYMOND HENEFER, BA, history/secondary education, '72, died Dec. 24 in Boise. He was 77. Henefer was raised in the Salt Lake City area. He served in the U.S. Navy during World War II, and later served in the Air Force. He was a substitute teacher in the Boise area and also was a flea market and antiques dealer.

LAUREL 'LAURIE' ANN KOLKA, BBA, accounting, '96, died in Boise Oct. 2 after a battle with cancer. She was 32. A Montana native, Kolka moved to Boise in 1990. After graduation she stayed home to raise her family. She also served in several church ministries.

LORNA JEAN (BRUSH) MCGILL, BA, social work, '78, died in Springfield, Ore., Aug. 2. She was 47. McGill graduated from

Buhl High. In 1978 she moved to the Springfield area where she was employed as a contract worker for the Children's Services Division and as a home health aide.

RONNIE R. 'RON' MCKINSEY, BA, social science, '70, died in Nampa on Sept. 6. An Oklahoma native, McKinsey later moved to Idaho and attended school in Middleton until joining the Navy in 1955. After his graduation, he worked for the Idaho Department of Corrections and for SAGE as an adult protection caseworker.

EDGAR LEE MERCER, BA, English, '02, died in Boise on July 4.

JACK F. PARK, MA, education/curriculum and instruction, '83, died in Ontario, Ore., on Sept. 30 of complications from a stroke. He was 73. He grew up in Sugar City, attended Ricks College and served an LDS mission in Tahiti. He served in the U.S. Air Force. He taught school for 18 years in New Plymouth and Payette.

SHANNON LEIGH (JOHNSON) RINDLISBACHER, BBA, accounting, '98, died in Boise Oct. 8 after a long battle with cancer. She was 30. Rindlisbacher graduated from Wood River High in 1990. She attended Weber State, before completing her degree at Boise State. She had most recently worked for Myers and Stauffer, LLC in Boise.

DONALD CASS ROBERTS, AA, education, '40, died Nov. 4 in Boise at age 83. Roberts spent his early years in Oregon and



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moved to Boise in 1938. After his BJC graduation he was employed at Umatilla Ordnance Depot, Gowen Field and Mountain Home Air Force Base. In 1946, he moved to Meridian where he was employed as the manager of The Bazaar for 38 years. He helped establish Meridian's Chamber of Commerce and in 1980 was honored by Meridian's chamber and its merchant association for 38 years of service to the community.

GREGG L. ROPP, BAS, drafting technology, '99, died Sept. 5 in Nampa. He was 36. He grew up in Michigan and joined the Air Force in 1984. After his military service, he worked briefly for Micron before attending Boise State. After graduation, he began work for CH2M Hill as an engineering technician.

THOMAS MICHAEL RYAN, AA, general arts and sciences, '63, was killed Nov. 2 in an accident on his berry farm in Frankford, Del. He was 59. After his BJC graduation, he contin-

ued his education at Idaho State and then earned a master's at George Washington University. Throughout his life, Ryan was involved in politics and at one time worked for the White House. He owned a berry farm in Delaware for 20 years.

WAYNE ELLIS SALMAN, BA, accounting, '68, died Oct. 12 in Denver at age 57. Salman was a longtime Boise resident and worked most of his life as a residential building contractor. He was awarded the Bronze Star with a V for valor, and the Air Medal of heroism during the Vietnam War.

PHILLIP THEADORE SMITH, BS, physical education, '71, died in Caldwell on Aug. 21 from injuries sustained in an automobile accident. He was 54. Smith graduated from Caldwell High in 1966. He attended Boise State on a baseball scholarship. After graduation he was drafted by the San Francisco Giants. Returning to Idaho, he worked for Sherwin Williams, Boise

Cascade and Franklin Building Supply and dedicated himself to local youth baseball and softball.

ROBERT SCOTT SWENSON, BS, computer information systems, '91, died Oct. 29 in Boise. He was 46. Swenson served in the U.S. Navy, including with distinction in the Gulf War. After his discharge he returned to his native Boise where he attended school and worked as a computer specialist for Associated Dairies. He later operated a computer consulting service.

GLEN ERVIN TALBOY, AA, general arts and sciences, '41, died Sept. 24 due to complications from congestive heart failure. He was 81. Born in Weiser, Talboy graduated from Boise High. After his BJC education he earned a BS from then College of Idaho and went on to medical school at St. Louis University, Mo. In the late 1940s he served as a general medical officer in the Army Air Corps. He had a private practice in general

surgery until 1990. After retirement he continued as a staff general surgeon and consulting surgeon for Veteran's Hospital in Boise and also was an associate professor of medicine at University of Washington.

FRANK AARON THOMAS, BA, education, '70, died Dec. 24 at a Boise care center. He was 86. Thomas graduated from Boise High in 1934. He served in the U.S. Marines during World War II, earning a Purple Heart, and served in the Army during the Korean War. He worked 30 years for the Department of Reclamation before pursuing his degree at Boise State. After graduation he worked as an educational director for the Idaho Department of Corrections and in the disability determinations area for the State of Idaho.

DAVID SHERMAN VANCE, AA, general arts and sciences, '49, died Jan. 18 in Boise. He was 78. Born in San Francisco, Vance moved to Idaho at an early age and was educated in Boise. During World War

II, he served in the Army Air Force. He returned to Boise after the war, completed his degree at BJC and then earned a bachelor's from Idaho State and a master's from University of Idaho. He taught in the Boise district for 30 years.

ROBERT A. 'BOB' WHITE, AAS, culinary arts, '78, died Aug. 3 in Boise of an apparent heart attack. He was 62. A native of West Virginia, White spent 20 years in the U.S. Air Force and lived in Glasgow, Mont., Japan, Thailand, California, and finally Boise. After the military, he worked for the U.S. Postal Service for 10 years.

STACY JO GLEIN YAGER, MBA, '97, died in a motor vehicle accident Aug. 21 near Monroe, Wash. She was 34. Yager was raised in Washington and received her bachelor's degree from Washington State. She moved to Boise in 1990 and worked as an assistant product manager for Ore-Ida foods. She later returned to Washington where she became a product manager at Tree Top.



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Lifetime Members — Each month more and more alumni choose to carry Boise State with them for life. Listed below in order of graduation date are alumni and friends who purchased lifetime memberships in the Alumni Association during Sept.-Dec. 2002. Join them and many others in becoming a lifetime member. For details, visit alumni.boisestate.edu or call (208) 426-1284.

Robert Borgna, Boise, '71	Diana Ballenger, Nampa, '84
Janice Bean, Boise, '72	Kevin Sligar, Boise, '84, '99
Claudia Borgna, Boise, '75, '00	Barbara Franek, Boise, '88
Kenneth Dick, Brea, Calif., '76	Jeff Erwin, Boise, '90
Kent Dunn, Gooding, '77, '83	Henry Atencio, Nampa, '91
Pamela Grove, Boise, '78	Dianne Loeffen, Nampa, '91
Dave Hornsby, Eagle, '79	Jay Woody, Boise, '92
Mark Mattefs, Boise, '75	Bob Evancho, Boise, '93
Curt McKean, Boise, '74	Sue Evancho, Boise, '93
Dalis Thomas, Emmett, '76	Kristine Walker, '93
Mike Greiner, Star, '83	Ginger Beall, Boise, '94
Michael Ballenger, Nampa, '84	Sheryl Bishop, Meridian, '94, '99

Association brings Boise State to the Legislature

Each year Boise State's voice grows louder throughout Idaho and the nation. More than 30,000 Idahoans have earned degrees from Boise State. Even more have taken classes here and still more have family members and friends who have attended.

To remind our elected officials about the far-reaching influence of the university on Idaho's citizens, the Alumni Association brought Boise State to the Capitol on Jan. 15.

Surrounded by the historic white marble interior, the fourth-floor rotunda was transformed into a ring of blue and orange. Some of Boise State's top researchers set up displays highlighting their work and its impact on Idaho. Elected officials, staff members, lobbyists and others were introduced to dynamic areas of study that may have been previously unknown to them.

- Technology Education in Action — Selland College of Applied Technology
- Biomedical Research — College of Arts & Sciences
- Center for School Improvement & Policy Studies: Creating High Performance Schools — College of Education
- Freequality: A Free Resource for the Quality-Minded Professional — College of Business & Economics
- Bits to Pieces: Rapid Prototyping in Idaho — College of Engineering
- Partnership for Migrant & Seasonal Farmworker Health in Idaho — College of Health Sciences
- Credibility Assessment Research — College of Social Sciences & Public Affairs

Lawmakers were later invited to a reception sponsored by the Alumni Association and ASBSU at Louie's Restaurant. While Boise State will continue its share of belt-tightening, events like Boise State Day at the Legislature give us the opportunity to enlighten our leaders on the importance of education and solicit state support to help us maintain current operations.

Future alumni exude Bronco pride

One year ago 15 strangers, all Boise State students, gathered at the Alumni Center, united by their shared enthusiasm for the future of Boise State. They saw their university bursting at the seams with more than 17,000 students and feared its rapid growth might cause a disconnect among the campus community. Seeds planted at that meeting grew into the Boise State Student Alumni Association (SAA).

With a goal of advancing campus traditions, loyalty and school pride among students, additional members were recruited, a leadership team elected and plans established to grow the organization. Political science major Dawn DiFuria (right), a junior from San Francisco, was elected SAA's president.



FOCUS: What prompted you to help form the SAA?

DD: To help instill pride, create traditions, and help every student leave Boise State with a sense of loyalty. It is great to be the founding president of such an exciting new organization.

FOCUS: How can students and alumni work together to advance our university?

DD: Collaboration among students and alumni is essential to advancing Boise State. We may not always agree on the details, but I have never encountered alumni who are not advocates for the students and their university. The Alumni Association's Student Relations Committee helps provide an inclusive environment where alumni and students meet regularly to establish plans or simply share ideas about ways to make Boise State even greater. We need to continue that dialogue.

FOCUS: What are some of SAA's plans for having an even greater impact?

DD: We'll continue to promote activities and encourage students to get involved with the university. We love experimenting with new traditions, improving existing traditions and building excitement. SAA's dream is for every student to leave Boise State proud to be a graduate and continue on as a loyal alumnus.

FOCUS: What memories of SAA will stay with you and make you smile 25 years down the road?

DD: Making our Homecoming float. One of our members let us invade her garage and create a huge paper globe. Unfortunately the once-round earth was not so circular on the float. The people in SAA are what will make me look back and smile.

FOCUS: Is there anything you want alumni to know about today's Boise State students?

DD: There are more than 150 student groups on campus — ethnic groups, sports clubs, academics, Greeks, professional societies, special interest groups and religious organizations. Today's students are demanding more: advanced education, continuous involvement, challenged views, addressing current issues and independent thought. We spend many hours in the classroom, at work and in organizations preparing ourselves to assume leadership in our communities after we graduate. We seek new challenges, take advantage of opportunities and strive for excellence. We are proud to be part of Boise State.

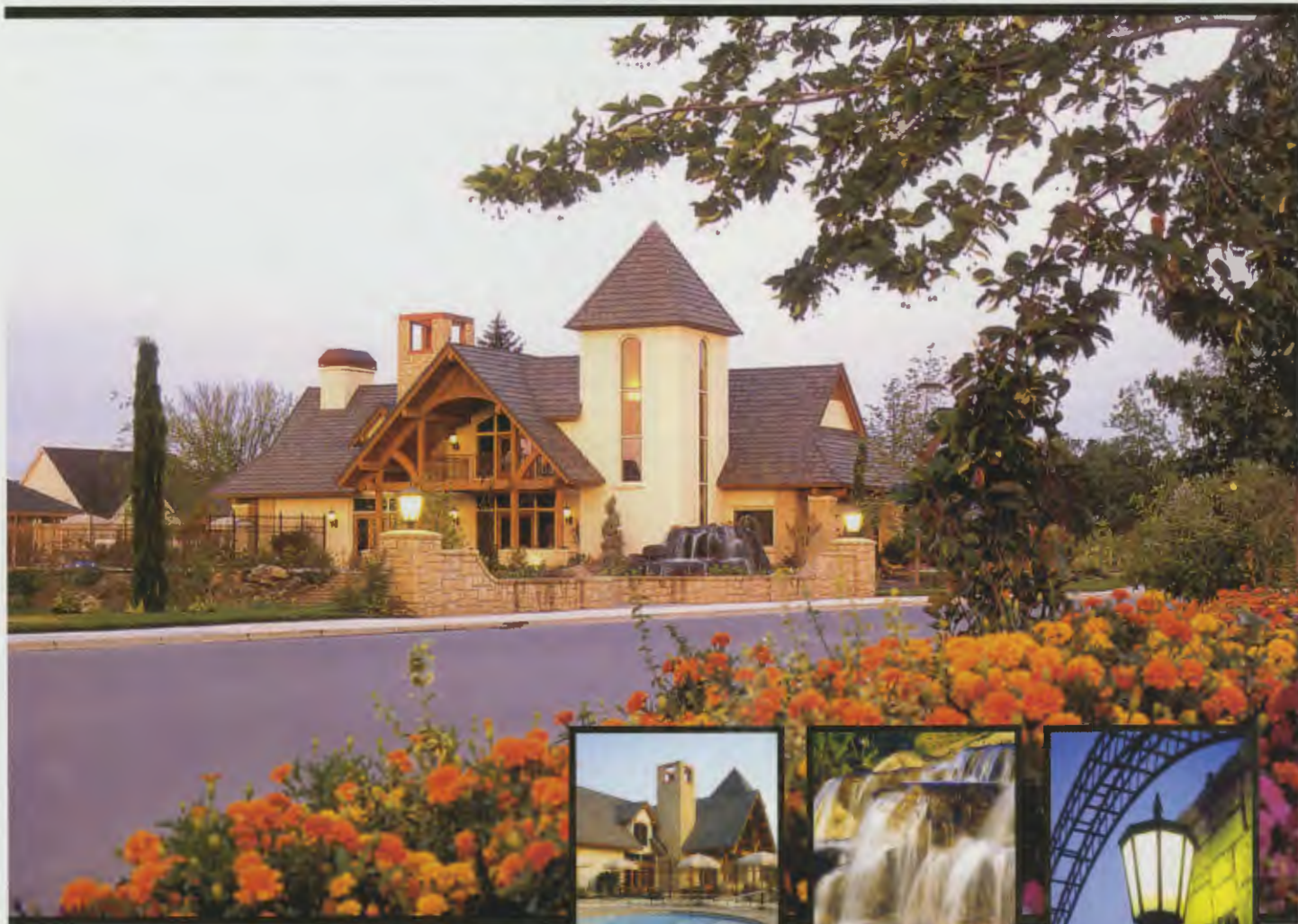
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